

Higher  
Education

EYP/®

## / firm overview

EYP is a global provider of comprehensive high-performance building design, research, and consulting services. We are five sectors – Higher Education, Government, Healthcare, Science & Technology, and Energy – who work as one firm to help our clients address some of the most critical issues facing our nation and our world. Our professionals work across 15 offices in the United States and Europe.

The only firm to have been ranked #1 for energy and sustainability for two consecutive years by *Architect Magazine*, EYP is committed to creating rich, productive, and inspiring environments that promote human well-being, preserve natural resources, and provide flexibility and resilience for the future. Our knowledge-based innovation strategy helps promote action-oriented public dialogue about the future of the built environment.

### Disciplines

Architecture, Engineering, Energy, Environmental Graphic Design, Interior Design, Master Planning

### Integrated Design Expertise

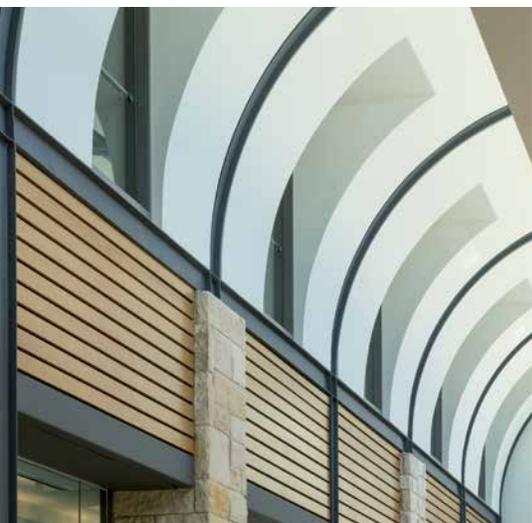
- Academic Innovation
- Embassies
- Energy & Sustainability
- Health Education
- Healthcare
- Historic Preservation
- Libraries
- Master Planning
- Mission Critical
- Modernization
- Science & Technology
- STEM
- Student Life
- Workplace

### Research

The right building design can help organizations advance their mission and goals. Our research program makes us better designers and more valuable advisors to our clients – and helps our clients make more strategic decisions about their buildings. Our open innovation approach values collective intelligence. We partner with outside experts in many disciplines to transcend the limits of current thinking and expectations, collaboratively exploring and testing ideas in Building Science, Energy, Healthcare Design, Living-Learning, STEM, and Workplace.

### Recognition

- 2016 Architect 50 – *Architect Magazine*
- 2016 Top 25 Architecture Firms – *Architectural Record*
- 2016 Top 25 Architecture & Engineering Firms – *Engineering News-Record*
- 2016 MEP Giants – *Consulting-Specifying Engineer*
- 2016 Giants 300 – *Building Design + Construction*
- 2016 Top 500 Design Firms – *Engineering News-Record*
- 2016 Top Architects – #1 for Healthcare Renovation – *Health Facilities Construction Quarterly*
- 2012-2015 AIA National IDP Outstanding Firm Award



## / higher education

The rapid growth of technology, developments in the science of learning, pressure to develop 21st-century workforce skills, and increasing competition from online and for-profit institutions are among the factors driving the reinvention of the collegiate educational experience. EYP is helping colleges and universities maximize brick-and-mortar resources by transforming the built environment to support tomorrow's curricular innovation today.

While every campus is unique, our experience, as well as our growing research data, demonstrate that flexible, adaptable, technology-rich, spaces promote effective synergies across disciplines, as well as among students and faculty. Our high-performance designs break down boundaries between traditional space types – formal and informal, faculty and student, teaching and research, lab and classroom, study and social – to support diverse pedagogies and learning modalities. We are committed to design excellence that creates healthy, functional, and energy-efficient environments that help clients achieve their mission and goals.

### **Planning and Design Expertise**

- Academic Innovation
- Campus Master Planning
- Fine & Performing Arts
- Historic Preservation
- Laboratories
- Libraries & Multimedia
- Living-Learning Facilities
- Modernization & Adaptive Use
- STEM Teaching & Research
- Student Life

### **Recognition**

- #4 University Sector, *Building Design + Construction Giants 300*
- #3 Green Design Firm, Education Sector, *Engineering News-Record Top Green Design Firms*

### **Contact**

John Baxter, AIA, LEED AP  
202 471 5050 / [jbaxter@eypae.com](mailto:jbaxter@eypae.com)

## / science

Designing buildings that improve the quality of science education is central to our mission. The demands of interdisciplinary study, and the rapid emergence of new fields, call for innovative and flexible designs that encourage collaboration. Our discovery process is founded on years of best practices in this building type, as well as critical research with our strategic partners. EYP's designs promote a culture of learning that allows science to be accessible, visible, and exciting to students, faculty, and communities.

We are committed to playing an active role in inspiring 1 million more students to major in Science, Technology, Engineering & Math (STEM):

[eypaedesign.com/science-on-display](http://eypaedesign.com/science-on-display)

Our Research Program evaluates and substantiates the impact of our STEM and Living-Learning facility designs on occupant behaviors to inform design innovation:

[eypaedesign.com/research](http://eypaedesign.com/research)

/ Middle Tennessee State University Murfreesboro, TN  
Science Building

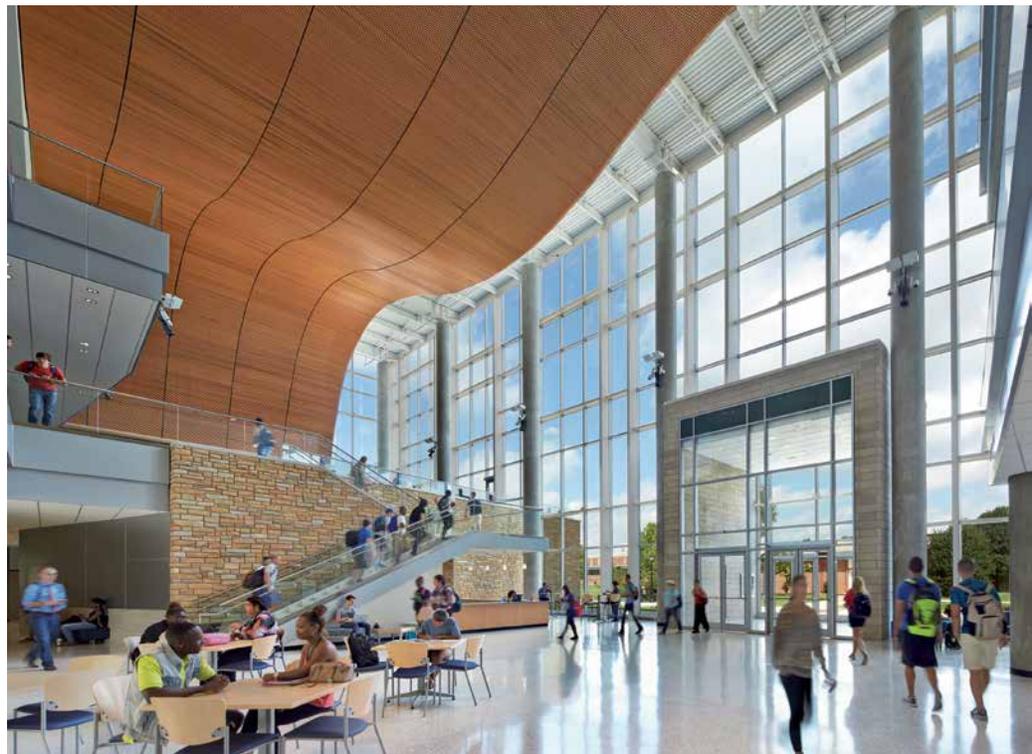


The new interdisciplinary science facility brings team-based learning to the forefront of the MTSU educational experience in chemistry and biology to advance the University's unique mission of preparing tomorrow's leaders in elementary and secondary education. The facility's transparent design stimulates interest across disciplines and encourages collaboration, discovery, and effective intellectual collisions. An open circulation plan ensures daylight and views in and out of the facility.

To support the increasingly collaborative, interdisciplinary nature of scientific methodology and team-based learning, the new building is organized around a series of intellectual neighborhoods based on shared scientific pursuits, rather than traditional departments. Each cluster of faculty offices, classrooms, teaching and research labs, and instrumentation/support spaces also includes informal student spaces to facilitate faculty-student interaction and group work for both class and research projects. Neighborhood wet bench spaces offer shared instrumentation and communal write-up and group discussion rooms. To test new curricula and pedagogies, experimental learning spaces incorporate both low and high technologies, including imaging and communications systems with sinks and movable tables.

MTSU's new science building houses 49 labs and supports a broad range of programs beyond biology and chemistry, such as aerospace, agribusiness/agriculture, engineering technology, nursing, physics and astronomy, elementary education, wellness and exercise science, nutrition/food science, geology, and social work. The design was a joint venture between EYP, TMP, and Hastings Architecture Associates.

- 257,000 GSF new construction
- Programming & Planning, Architecture, Laboratory Planning, Energy Analysis





/ College of the Holy Cross Worcester, MA  
Integrated Science Complex

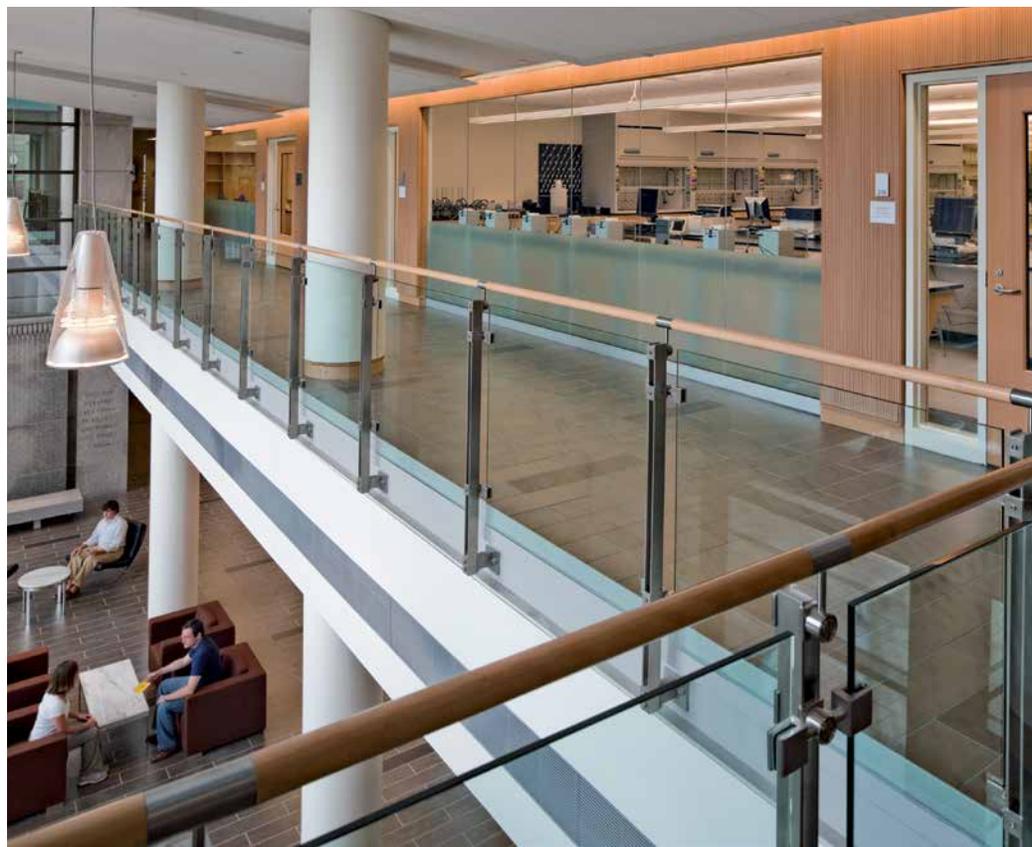


The College of the Holy Cross sought to foster collaborative, interdisciplinary science teaching, learning, and research within a facility that would open the excitement of scientific experimentation and discovery to the community. The facility needed to provide opportunities for effective intellectual collisions among the sciences and across the liberal arts.

The Integrated Science Complex connects the renovated Haberlin, Beaven, O'Neil, and Swords Halls to the new Smith Labs, creating an exciting multidisciplinary science community whose open spaces attract students from all over campus. New and renovated atria give the complex an open and inviting feeling and form a connective spine, visually uniting three levels of entryways. A variety of gathering places on every level provide opportunities for group study and conversation. The complex includes teaching and research space for chemistry, biochemistry, and physics.

With its transparent walls and strategic adjacencies of classrooms, public spaces, and laboratories, this campus focal point puts science on display. By renovating and adding to existing structures, the College gained a state-of-the-art science complex at far lesser cost and disruption than new construction.

- LEED Gold certified
- 43,800 GSF new construction
- 89,700 GSF modernization
- 12,300 GSF addition
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Structural Engineering, Energy Analysis
- Boston Society of Architects – Honor Award
- AIA New England Honor Award for Design Excellence
- The Hobson Award





/ Pennsylvania State University State College, PA  
Steidle Building Renovation & Addition



We have partnered with Penn State to transform the interior of the Steidle Building – a Charles Klauder design contributing to a National Register Historic District – into a sustainable state-of-the-art teaching and research environment for the Department of Materials Science and Engineering.

Originally built in 1931 as a U-shaped floor plan, a center wing was added in 1939. Analysis demonstrated that removing the 1939 wing could allow the addition of a new, larger infill to house highly flexible, technically-robust research spaces, with the building's original 1931 footprint supporting less intense functions. Our design organized the plan “research clusters” – suite spaces conducive to the increasingly interdisciplinary, collaborative research environment. The modernization design updated building systems, enhanced accessibility and life safety, and provided the infrastructure required for current and future materials science research.

This adaptive use project is designed to realize annual building energy cost savings of 42% relative to the ASHRAE 90.1-2007 baseline. Using a uniquely inclusive scenario-building process, the design team and PSU staff worked with our energy group to analyze first costs, energy performance, and operational savings simultaneously and in real time, ultimately helping the University reinvent a campus icon while saving over \$500,000 in construction costs.

- 34,000 GSF new construction
- 66,000 GSF modernization
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Energy Analysis





/ Trinity University San Antonio, TX  
Center for Sciences & Innovation



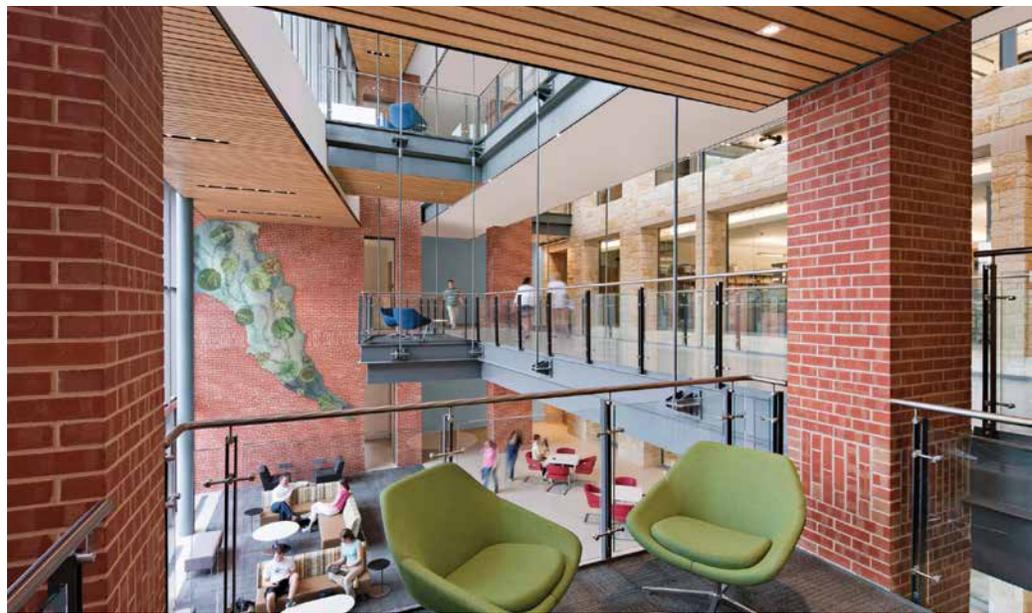
The forward-thinking design of CSI places the most innovative learning space at the building's front door on the main campus quadrangle. A series of student teamwork spaces – sized to accommodate both freshmen and seniors – supports the iterative think/model/make learning process.

Shared space fosters collaboration among class cohorts, enabling younger students to learn and be inspired by upper-level students. An operable glass wall enables the thinking space and the making space to be either separated or connected.

The double-height making space, dubbed “the Cube,” embeds the classroom experience in the laboratory. “Garages” containing the tools for making surround and are connected to the Cube via overhead doors. A moveable instructor station and movable student workstations – incorporating benchtops, white boards, tool cases, and digital displays – enable teaming areas to be easily reconfigured. Overhead garage doors that open onto the main campus quad allow students to move their projects outside, making them visible to the entire campus. An open computer lab and study spaces overlook the making space.

The glass-walled modeling space puts the excitement of the problem-solving process on display for students passing through the corridor. Classatories for sophomores and juniors also integrate lecture and lab spaces, emphasizing just-in-time learning prior to application.

- LEED Gold certified
- 155,000 GSF new construction
- 85,000 GSF modernization
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Energy Analysis





/ University of Scranton Scranton, PA  
Loyola Science Center

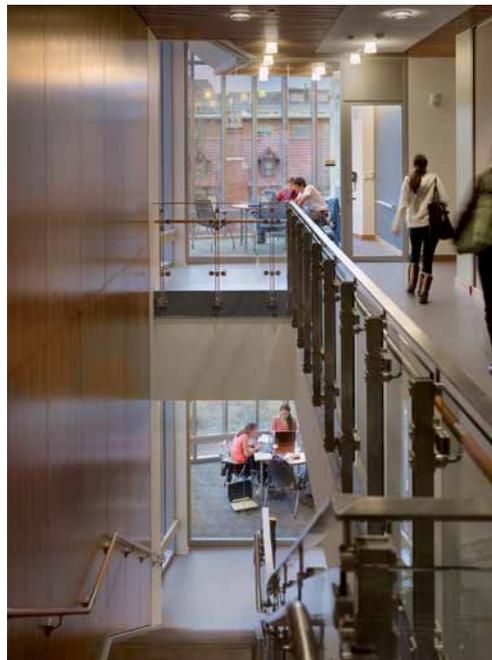


Prominently sited alongside a highway, the interdisciplinary Loyola Science Center is a signature campus gateway that communicates the excitement of science and the intellectual rigor that is a hallmark of the Jesuit tradition.

A series of stepped pavilions brings the massing of the facility down to the scale of neighboring buildings to frame a new science green adjacent to the historic Catlin House. The use of variegated local stone from the same quarry as the Scranton estate helps create a unified architectural expression on a campus with many variously hued brick buildings. A connecting concourse with a new atrium forms the heart of the Center, linking it closely with the Campus Commons and the DeNaples Center and Green. A mat slab foundation system mitigates the structural risks posed by abandoned coal mines deep beneath the site and the ground-borne, train-induced vibrations from a nearby railway line.

The design clusters groups of faculty/student research laboratories around suites of advanced teaching laboratories. Adjacent faculty offices and collaboration spaces facilitate faculty-faculty and student-faculty interaction. The student-focused design features variously scaled informal spaces strategically located outside of labs, off hallways, and near faculty offices. The atrium attracts students and faculty from all over campus, activating the building outside classroom hours.

- LEED Gold certified
- 166,500 GSF new construction
- 48,000 GSF modernization
- Programming & Planning, Architecture, Laboratory Planning, MEP Engineering, Structural Engineering, Energy Analysis





UNIVERSITY OF LOYOLA  
SCIENCE CENTER  
SCIENCE  
Human  
Endeavor

/ New York University New York, NY

Center for Genomics & Systems Biology Renovation



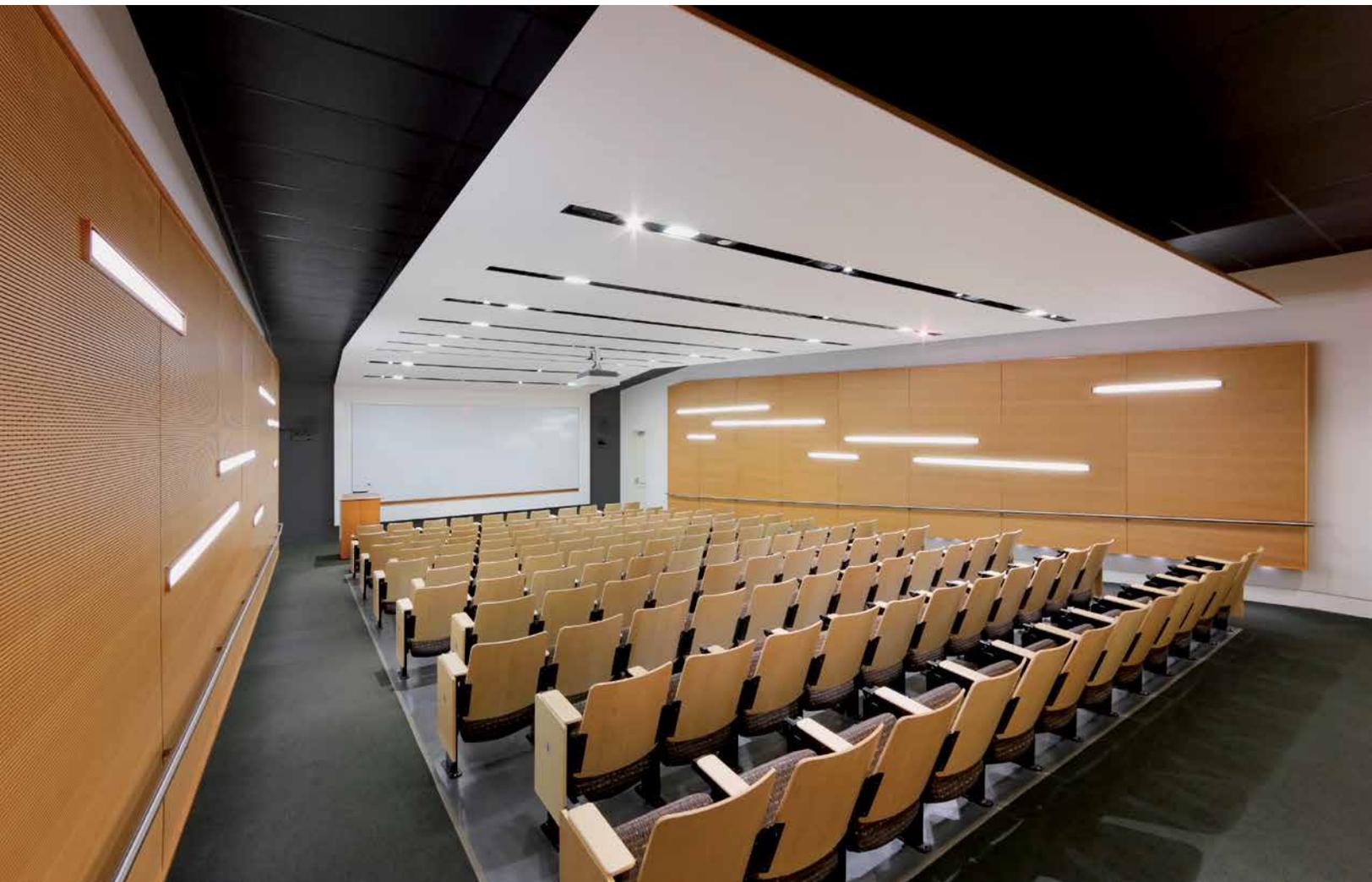
The Center for Genomics and Systems Biology is an interdisciplinary research center that rises behind the historic façades of three 100-year-old buildings in a dense urban neighborhood. To maximize space on the tightly constrained campus, the facility is innovatively planned as a 10-story, vertical scientific community that promotes collaboration by fostering circulation and interaction between floors.

Behind the preserved façades, demolition of the existing structures and new construction proceeded in phases. The building expanded from six floors and a cellar, to eight floors, a cellar and subcellar, mechanical penthouse, and rooftop greenhouse. Flexible, openplan laboratories efficiently co-locate more than one hundred genomics and bioinformatics scientists. The facility also contains a greenhouse and special environmentally controlled rooms for plant growth and other biological functions. Shared core facilities accommodate sensitive equipment and instrumentation. Flexible informal spaces foster intellectual community; an 86-seat auditorium enables the Center to host faculty and global partners for conferences and symposia.

EYP is Executive and Collaborating Architect in association with Ennead Architects.

- 71,000 GSF new construction
- Programming & Planning, Architecture, Laboratory Planning





## / academic innovation

Today's classrooms must accommodate multi-modal presentations and group learning, as well as the traditional pedagogical system of text-based lectures and testing – all within a single space. Our designs for collaborative/experimental academic spaces maximize instructor-to-student and student-to-student contact while incorporating technology as a learning tool. Whether known as Maker Spaces, Innovation Zones, or Classatories (hybrid classroom/labs), today's learning spaces simulate real-world creative environments to help students develop higher-order critical-thinking and collaborative skills.

/ SUNY Maritime Throggs Neck, NY  
Maritime Academic Center



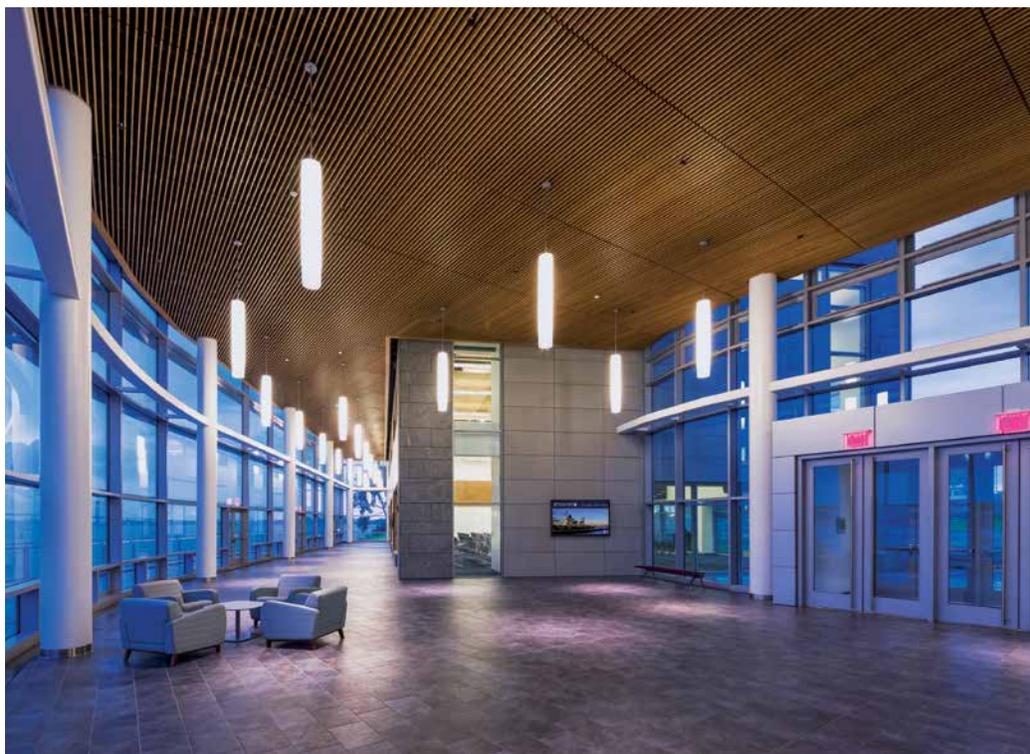
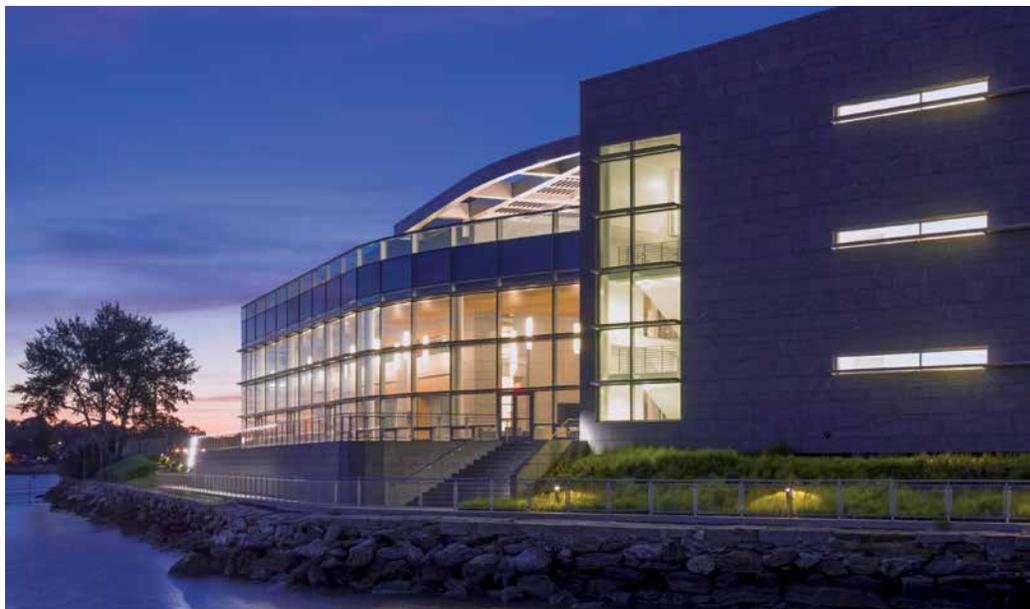
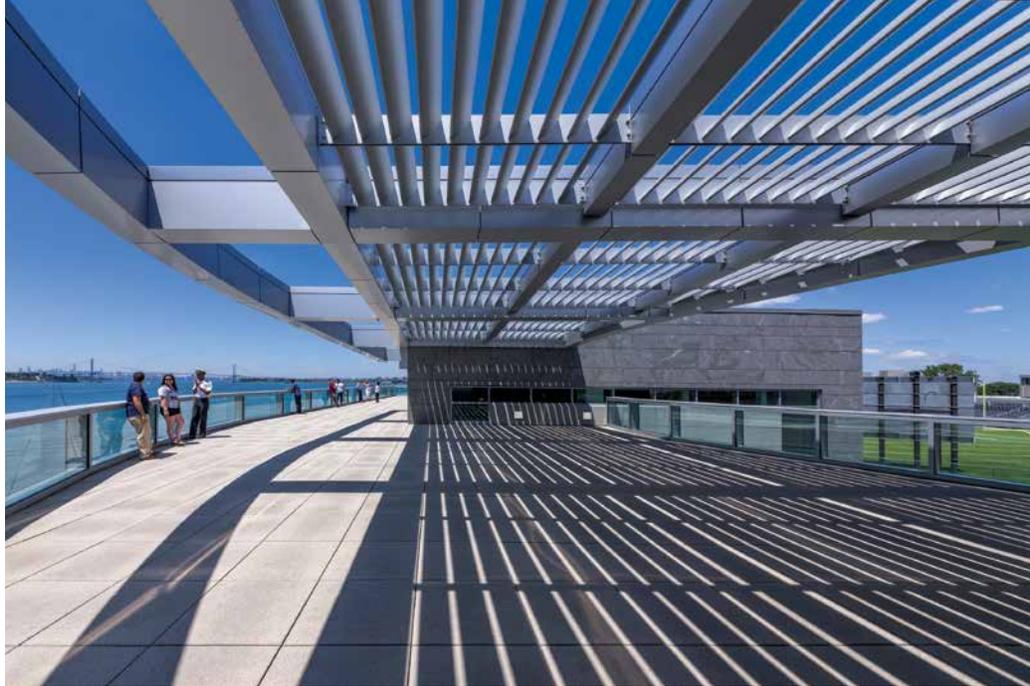
Prominently sited overlooking the Long Island Sound, the new Academic Building symbolizes SUNY Maritime's prominent role in the increasingly global arena of maritime education and affairs. The signature design reflects the institution's international reputation for preparing students for careers in the maritime industry.

The site-specific sustainable design reflects the close connection between maritime education and the natural marine environment. The open, flexible facility enables students to quickly move between classroom and training vessels. The facility houses a 350-seat auditorium, lecture halls, and classrooms for academic programs, which can also be used for maritime industry conferences.

A flexible atrium forum space, subdividable into three separate spaces, balances the dynamic tension between the conference and classroom wings. The structure, which is clad in local stone to reference the adjacent historic fort, appears to rise from the seawall it closely hugs.

Bioclimatic analysis and building orientation help reduce wind friction, conserve heat in winter, capture natural light, and provide cooling natural ventilation in summer.

- 45,400 GSF
- Architecture, Engineering, Programming & Planning, Geotechnical Site & Utility Improvements, Construction Administration





/ Bryant University Smithfield, RI  
Academic Innovation Center



Bryant's new Academic Innovation Center (AIC) is an immersive, collaborative learning environment for the iterative design process.

The AIC was designed to promote the entrepreneurial spirit that characterizes the renowned College of Business brand experience for both students and faculty. The 50,000 SF facility is organized around the Innovation Forum, a highly flexible space whose furnishings and whiteboards can be reconfigured to support various group learning activities, enabling collaborative hands-on discovery. Semi-enclosed breakout spaces along the building perimeter provides quieter and more private group work settings. The program also includes tiered classrooms, flat-floor flexible classrooms, and breakout spaces to accommodate multimodal presentations and learning.

Reinforcing the concept that the building belongs to the entire university rather than a particular department, the program replaces assigned faculty offices with a flexible Faculty Workshop – including conference and storage space – that any faculty member can use whenever they are in the facility to work with students.

Prominently sited at the campus's main point of arrival, the AIC welcomes visitors and serve as the launching point for Admissions tours. A café is located near the building's main entrance and adjacent to the President's Walkway – the campus's central pedestrian circulation path.

- 50,000 GSF new construction
- Architecture, MEP Engineering, Programming & Planning, Energy Analysis, Construction Administration





Virginia Tech Blacksburg, VA  
New Classroom Building



Virginia Tech's new classroom building advances the University's mission to "invent the future" by transforming the science learning environment. The cutting-edge design creates two radically different types of spaces: the SCALE-UP (Student Centered Active Learning Environments for Undergraduate Programs) classroom and the classsatory, a hybrid classroom/lab.

The two SCALE-UP rooms, whose concept was tested in other campus buildings, are furnished with 11 seven-foot round tables – the optimal size for interaction, according to NCSU research – with microphones, power cords, and cable connections to monitors around the room. Nine students work in three groups of three, collaborating on real-world science problems.

The four flexible classsatories blend elements of traditional classroom and laboratories to support the Integrated Science Curriculum, in which students work in several disciplines – biology, chemistry, physics, etc., – within a single class period. Each classsatory has a central wet lab area, moveable tables, and one or two fume hoods and sinks. Enclosed, connected prep spaces house equipment requiring supervision. Write-up spaces between wet labs also support informal study outside class hours.

- 74,000 GSF new construction
- Programming & Planning, Architecture, MEP Engineering





THINK  
DIFFERENT

CLASSROOM  
POLYBIO

## / libraries and cultural centers

New media, pedagogies, and cultural shifts are profoundly changing the roles of libraries and cultural centers. We design spaces that support evolving media and technologies and accommodate a variety of research and study styles. Our expert teams work together across disciplines to ensure signature spaces that announce an institution's unique character and mission. Our designs address the critical issues of collections storage, management and access, simultaneously encouraging exploration and reflection.

/ Princeton Theological Seminary Princeton, NJ  
Library Renovation and Addition

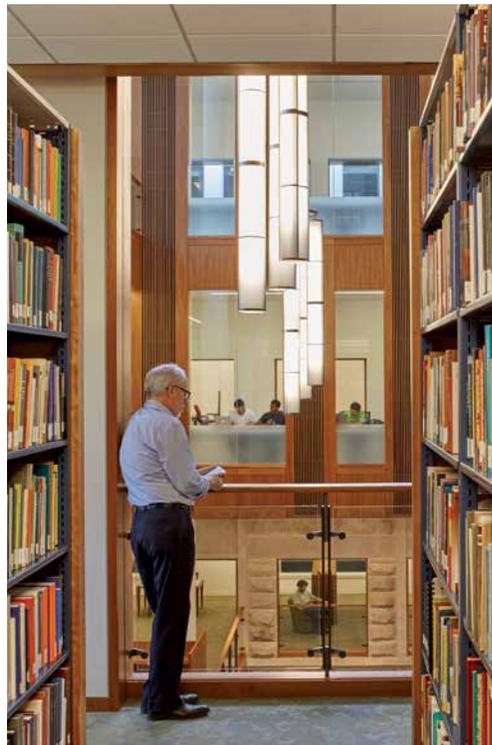


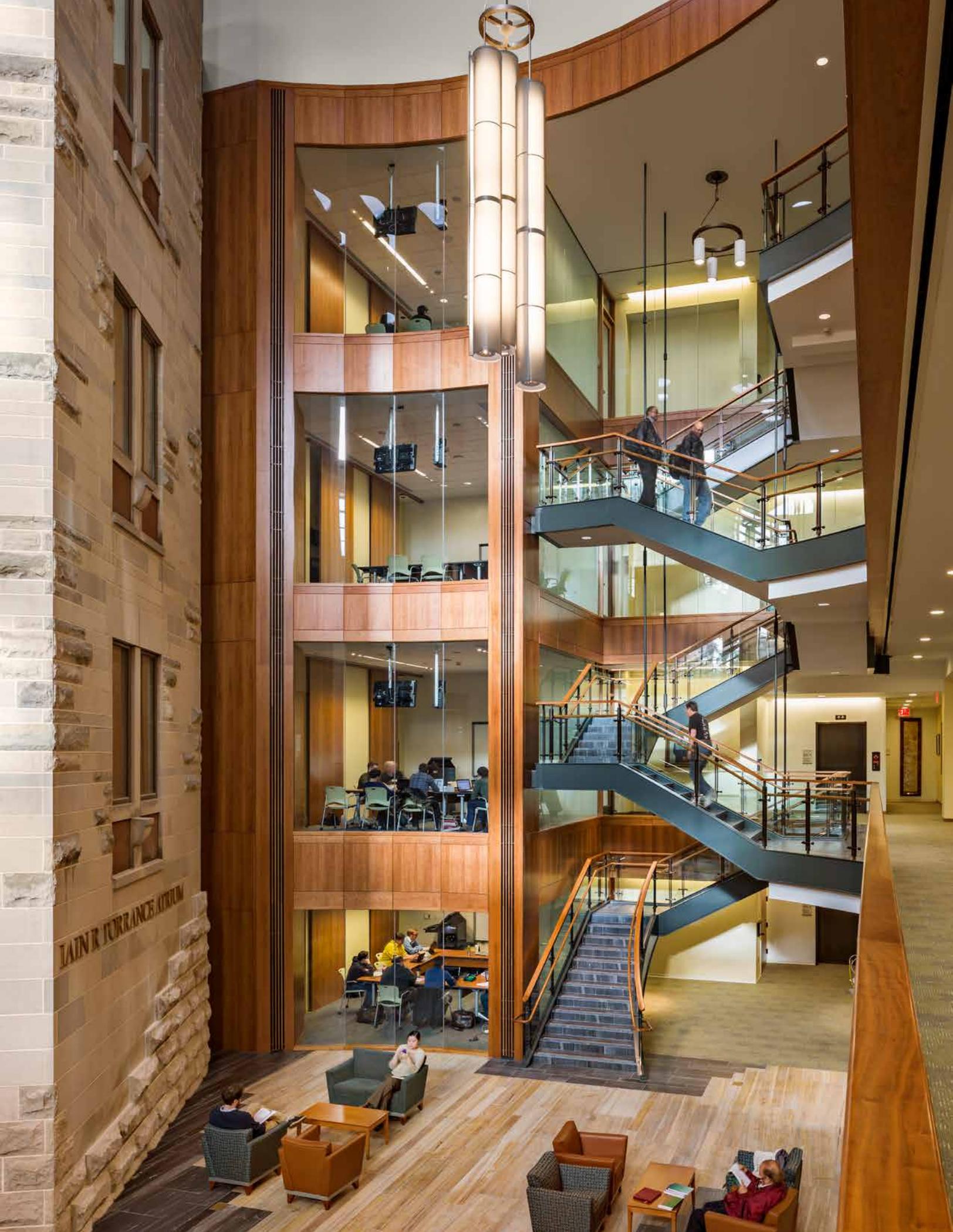
The Princeton Theological Seminary Library is a signature complex whose research, collection management, and collaborative spaces support a 21st-century “theological library for the world.” The Library is a global destination for theological scholarship with a collection second in size and importance only to that of the Vatican.

Through selective demolition of the original Library, modernization of the 1992 addition, and new construction, our high-performance design approach enhanced the best aspects of existing structures to create a contemporary building that respects, but is not bound by, tradition. The contemporary design incorporates traditional materials in a translational way to evoke the timelessness of scholarly activity while acknowledging and enhancing the historic context of Princeton in which it stands.

The Library is organized as a series of pavilions grouped around the atrium, providing a variety of inviting spaces for study, professional and scholarly interaction, and display. The addition includes a monumental double-height reading room, seminar rooms, and individual study carrels designed to facilitate new methodologies of both group and individual instruction within the Seminary. The modernization reconfigured staff, special collections, and patron space, infusing the entire complex with state-of-the-art technology for research and collaboration.

- 91,000 SF new construction
- 45,000 SF modernization
- Programming & Feasibility Study
- Architecture, Engineering, Programming, Planning
- Historic Preservation, Modernization





JAINR TORRANCE ATRIUM

/ Harvard University Cambridge, MA  
Widener Library Renovation



The modernization of this campus icon embodies many of the typical challenges facing the renewal of public and institutional architecture at a high level. New elements accentuate and celebrate Horace Trumbauer's landmark original design, while seamlessly integrating the new program and systems necessary to ensure patron comfort, collections security, and a state-of-the-art workplace environment for staff.

We initially focused on weaving state-of-the-art building systems – particularly environmental controls – within the historic fabric. Restricted by the original donor bequest to working within the building envelope, the team developed an innovative strategy for the infill of two light courts. This found space now contains new circulation cores, space for mechanical equipment, and staff workspaces, topped by two signature sky-lit reading rooms.

New systems, lighting, fire protection, and security upgrades were seamlessly integrated into all of the historic spaces, and historic materials renewed and conserved, infusing these carefully restored rooms with the environment, technology, and finishes appropriate for a modern library and a world-class building. All work followed an implementation plan developed jointly by EYP and the Construction Manager that allowed the continuous use of the facility during the renovation.

- 320,000 GSF modernization
- Programming & Planning, Architecture, MEP Engineering
- Educational Facility Design Award – Merit, BSA / SCUP
- Palladio Award, *Traditional Building Magazine/Restore Media*
- Library Building Award, AIA/ALA
- Design Award - Citation Award, AIA New England Chapter





/ American University Washington, DC  
Katzen Arts Center

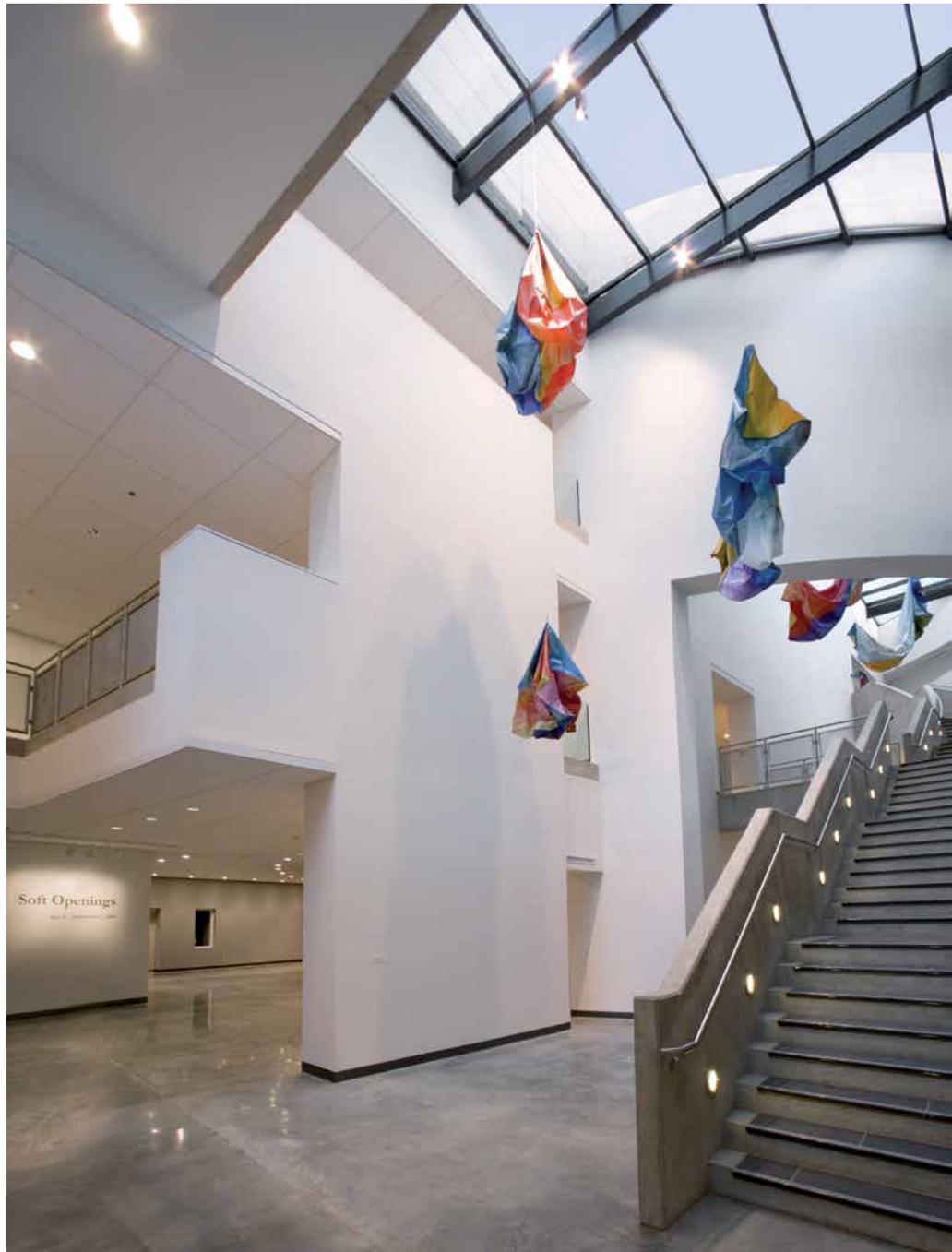


American University wanted a signature building that would enhance its identity and advance the profile of its renowned arts programs. The Katzen Arts Center, located at Ward Circle on Massachusetts Avenue, creates an integrated community for the arts by combining studio arts, music, performing arts, and an art gallery under one roof, encouraging faculty and staff to explore the limitless possibilities in the arts.

The building is defined by three distinct forms: The art gallery, which is the most public space, gives the building its distinctive identity, and is characterized by a cylindrical form graced by an outdoor sculpture garden. The studio/classroom wing, with its gently curvilinear form, is located at the opposite end of the site, affording the students some privacy. Its distinctive rotunda serves as the entrance into the studio wing and as an informal gathering space for the students. Finally, the recital hall, dance rehearsal space, and black-box theater provide a connection between the gallery and studio wings.

The program spaces are organized around a major interior "avenue," providing venues for the production, and display and presentation of dance and theater arts, and music and visual art. Major program spaces include an art gallery for permanent, student and traveling exhibits, 200-seat recital hall, black box theater, dance rehearsal space, classrooms, art studios, and music practice and ensemble spaces.

- 325,000 GSF new construction
- Programming & Planning, Architectural Design, MEP Engineering
- AIA Potomac Valley Design Award – Grand Honor
- AIA Washington, DC – Merit Award
- *Mid-Atlantic Construction Magazine* – McGraw Hill Design Award – Merit (Cultural, Museum & Entertainment Category)





## / student life

Shared experiences bond members of a community for life. Supporting a living and learning lifestyle requires a complex balance of flexible and comfortable public and private spaces that suit the way today's students live, work, and play. Our student life experts build on years of experience working closely with campus constituents to grasp the essence of each community. The college experience helps shape an institution's public image. We create spaces that foster individual growth within community and enhance institutional identity.

Our Research Program evaluates and substantiates the impact of our Living-Learning facility designs on occupant behaviors to inform design innovation:

[eypae.com/living-learning-research](http://eypae.com/living-learning-research)

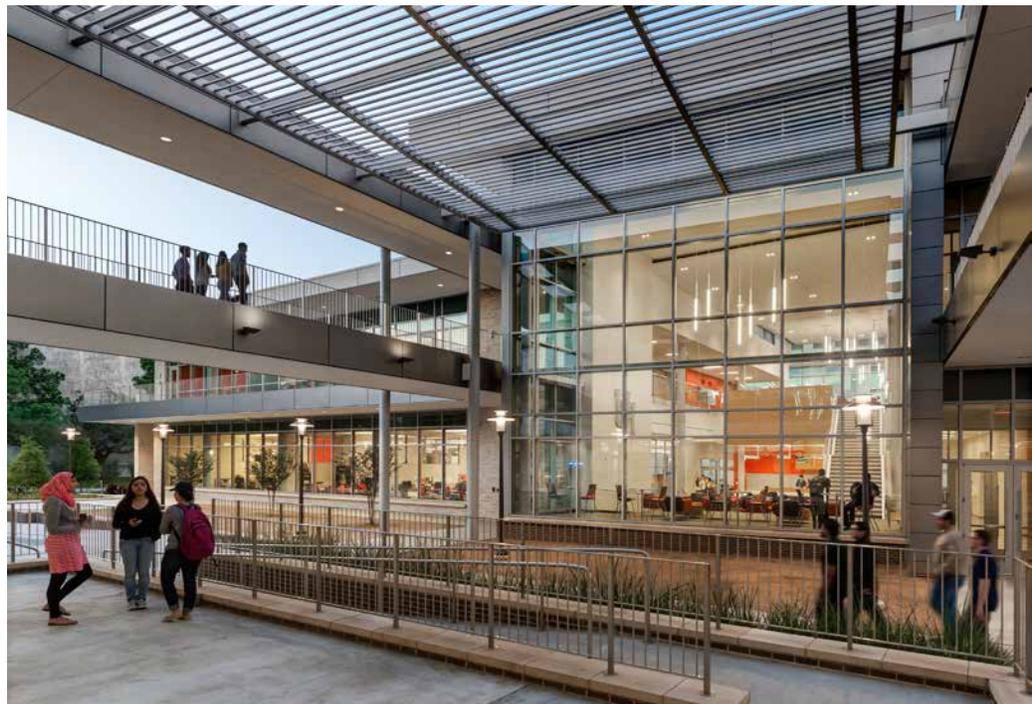
/ University of Houston Houston, TX  
Student Center Transformation



The centerpiece of one of the largest campus transformations in the nation, the new Student Center celebrates the evolution of UH from a largely commuter campus to a nationally recognized Tier One research university with a strong athletic program. The addition of 120,000 square feet more than doubles the size of the existing 92,000 SF facility to better meet student needs and enhance the campus life experience.



The design seamlessly blends renovation and new construction, integrating larger flexible gathering spaces with more formally designated service and administrative spaces. The Arbor Lounge is reconceived as a three-story enclosed atrium whose monumental steps are the “see and be seen” gathering space and the new social center of the building. The uncluttered west side is defined by the flexible open space of the new Legacy Lounge. On the UC’s north side, a new building provides 68,000 SF of open, collaborative spaces dedicated to student organizations. To the east a 52,000 SF addition to the original building houses food services and amenities.



WTW was the Associate Architect.

- 302,000 SF addition
- Bowling Alley
- 450-seat Theatre
- Food Services





/ Towson University Towson, MD  
Newell & Richmond Halls



This LEED Silver high-performance modernization project breathes new life into Newell and Richmond Halls, creating a premiere student housing experience while celebrating Towson's rich architectural tradition. The connected four-story buildings form an iconic campus cornerstone whose 93,500 GSF houses 315 students.

One addition, sympathetic to the Jacobean architecture of the University's original structures, resolve complex accessibility issues and provide study and social spaces for students that foster a sense of community. The renovation maximizes student common areas and daylight on each floor, building student community. Further social space was added outside to improve access and security while integrating Newell and Richmond into the campus's pedestrian network.

EYP solved longstanding envelope failures through careful analysis, tracing them to the original design, poor construction materials and practices, ill-conceived additions, and errors in earlier repairs and maintenance. At Richmond Hall, cast stone window heads were selectively replaced and mullions re-detailed to increase their load-bearing capacity. At Newell Hall, the terra cotta window surrounds were similarly improved, and all parapets were removed from the eaves to improve roof drainage, without negative effect on the historic roof-lines that form the eastern face of the campus. Exterior stair towers were removed to expose original facade whose restoration has garnered several prizes.

All work was developed consistent with the State of Maryland, University of Maryland, and Towson University specific design standards.

- 93,500 GSF modernization
- Programming & Planning, Architecture, Historic Preservation, MEP Engineering





/ Framingham State University Framingham, MA  
North Hall Residence Hall



Framingham State University's new residential hall creates a new campus gateway on Route 9. Working with the Massachusetts State College Building Authority (MSCBA) and Framingham State University, EYP teamed with Pfeufer Richardson Architects and Consigli Construction to design North Hall, a 409-bed facility that houses primarily sophomores and juniors in suite-style units.

The design locates the building's portal at the confluence of existing view axes and uses glazed elements to denote public spaces. To support student development and encourage community, floors are divided into two neighborhoods of suites which connect via two-story Portal Lounges. Additional social spaces are located at each of the building's ends and in a third-floor commons.

To advance the University's commitment to sustainability, the project incorporated energy-saving elements such as closed-loop ground-source heat pump, heat recovery wheel, and storm-water reclamation for irrigation.

- LEED Gold certified
- 127,500 GSF new construction
- Programming & Planning, Architecture





NORTH HALL

/ University of Michigan Ann Arbor, MI  
North Quadrangle Housing & Academic Complex



The University's first new residence hall in nearly 40 years is a unique, technology-rich campus gateway and 24/7 experiential living/learning community that blends residential life and academic program elements. The building's high-performance design realizes energy cost savings 30 percent beyond the ASHRAE baseline.

Three types of shared space support the University's ambitious program: (1) spaces shared by academic departments; (2) spaces shared by building residents and their neighboring faculty/programs; and (3) public community spaces. Public spaces such as the Media Gateway, Language Resource Center, and Sweetland Writing Center serve users from all over campus. Tiered and flexible, flat-floor classrooms, as well as seminar and computer spaces support both undergraduate and graduate pedagogies. Flexible "opportunity rooms" were designed to accommodate student activities from yoga to poetry reading and beyond.

Creating a sense of "home" is critical, especially in a building of this scale. Residential spaces include singles and suites arranged in neighborhoods scaled to support student development in community. Each of the ten floors in the residential tower has its own lounge; a community lounge for building residents is located on the tenth and most private level. A café and dining hall serve both residents and the campus at large.

We served as Executive Architect in partnership with Design Architect Robert A.M. Stern.

- 350,000 GSF new construction / 460 beds
- Programming & Planning, Architecture, MEP Engineering





/ Princeton University Princeton, NJ  
Hamilton, Holder & Madison Halls

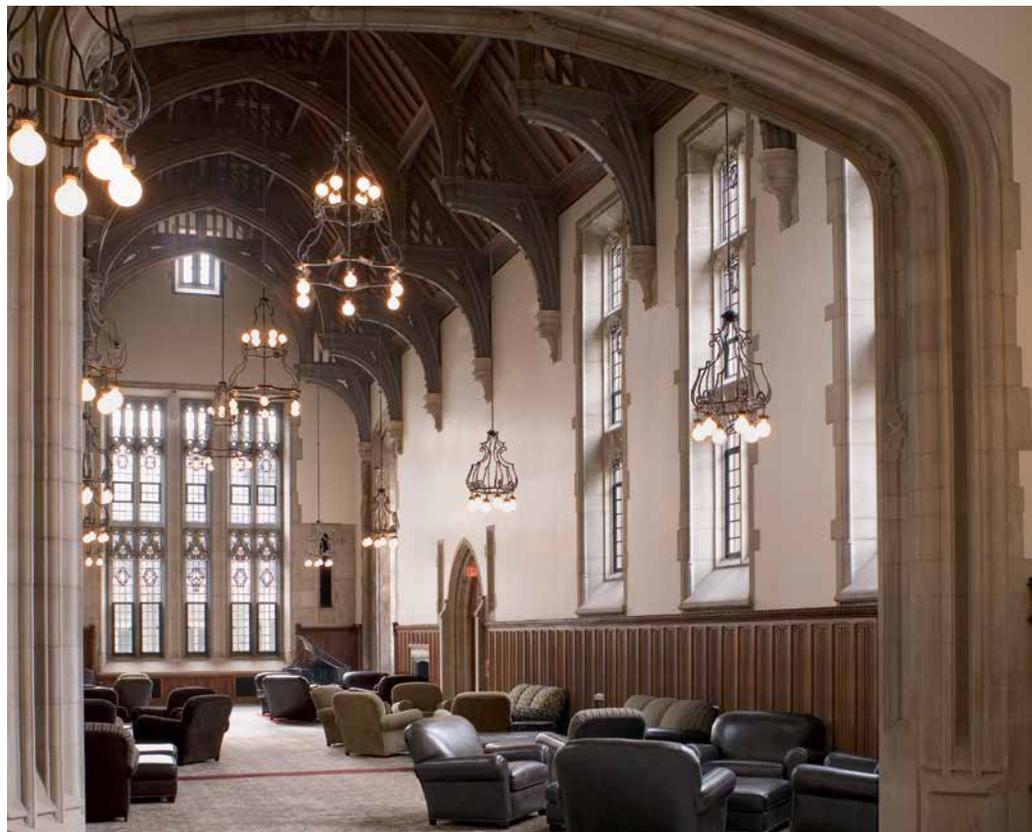


Three historic Collegiate Gothic structures were modernized to accommodate a 21st-century residential college program while preserving their historic character. Extensive exterior repair and interior renovation improved accessibility and circulation patterns.

After the programming for Holder Hall was completed, the University initiated a change in its Residential College program. Three of its six two-year colleges – including Mathey – were redesignated as four-year colleges, requiring the introduction of new graduate student apartments into the design. Throughout the building, student rooms, bathrooms, and common spaces were renovated, and in many instances, rearranged. We depressed the floor elevation and excavated along the south façade to incorporate study rooms, student activity rooms, music practice rooms, a student lounge, and a new student art gallery.

Work subsequently addressed the adjacent Hamilton and Madison Halls which include rooms for both underclassmen and upperclassmen; administrative offices, dining halls, and common rooms for both Mathey and Rockefeller Colleges; and student lounges, campus bakery, computer cluster, library, theater, and seminar rooms.

- 150,000 GSF modernization / 300 beds
- Programming & Planning, Architecture, MEP Engineering
- Historic Preservation
- Design Award, AIA New York State
- Platinum Reconstruction & Renovation Award, *Building Design + Construction*
- Citation Award, AIA New York State
- Tucker Award for Architectural Design Excellence, *Building Stone*
- Golden Trowel Award, International Masonry Institute
- Reconstruction Project of the Year, *Building Design & Construction*
- Renovation Merit Award, New York Construction News





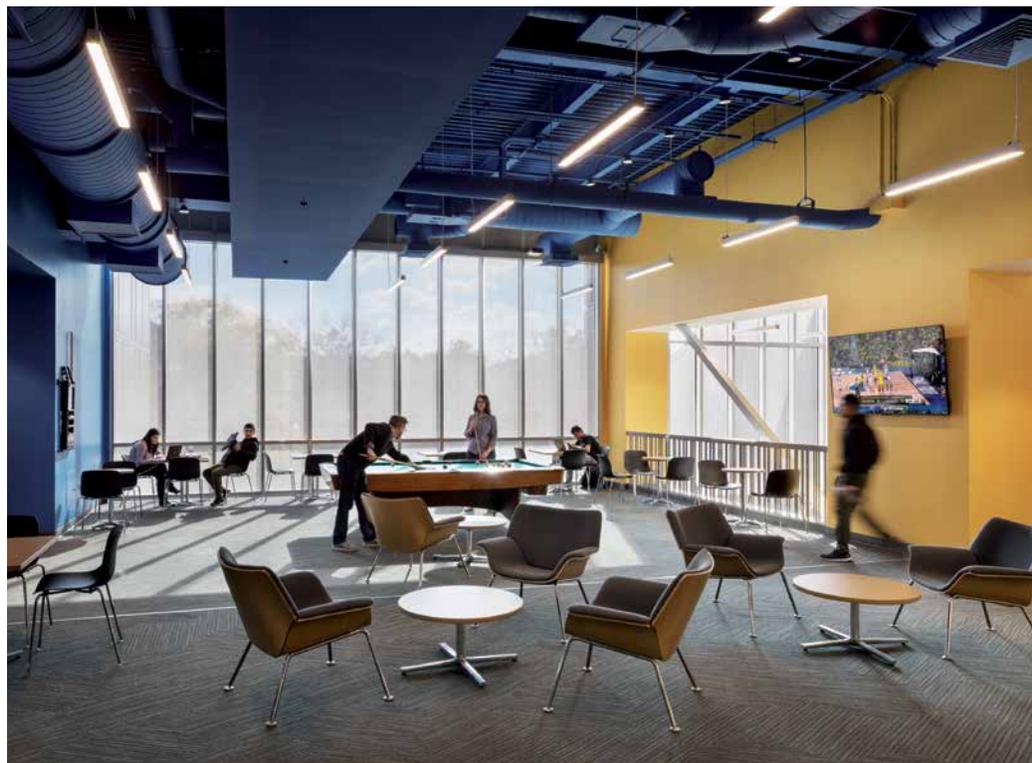
/ Pace University Pleasantville, NY  
New Student Life District Master Plan



The complete redesign of Pace's 200-acre Pleasantville campus transforms the topographically rural landscape of the formerly commuter University into a 21st-century residential campus, strengthening the sense of place to enhance student recruitment and retention. Indoor and outdoor spaces merge whenever possible, connecting buildings to nature in alignment with Pace's institutional history of environmental conservation. Our programming, planning, and complete design services reinvent the Pleasantville campus with a comprehensive redevelopment Master Plan that is financially feasible, tuition neutral, buildable, while meeting institutional, town, and local code requirements for approval.

The student-focused, pedestrian-friendly redesign resolves the issues presented by the University's decision to close its Briarcliff campus, consolidating all operations onto the expanded Pleasantville campus. The Master Plan includes two phases, the first of which creates a new campus core – a major central green space that will serve as the new heart of the campus, reducing vehicular circulation, encouraging serendipitous interaction among students and faculty as they cross campus, and providing a unified focal point for the surrounding buildings. Phase One construction, which runs through 2016, includes new Residence Halls designed to foster community; renovation of the Kessel Student Center with the addition of a Dining Hall; a new LEED Silver-designed Environmental Center; and a Field House that channels students to the primary athletic field.

- 380,000 GSF
- Programming & Planning, Architecture, MEP Engineering, Energy Analysis





/ Howard University Washington, DC  
Bethune Hall Dining Facility



The creative sustainable design of Bethune Dining Hall transforms the round, two-story structure into a vibrant signature structure – a gathering place that fosters community while exceeding the University’s sustainability goals. We worked closely with Sodexo and the University’s dining services and facilities management teams, generating design options informed by early phase energy modeling to maximize the building’s energy performance with a fully glazed envelope.

The serpentine design serves as a beacon along the natural pedestrian pathways, connecting two dormitories with a modern dining room. Custom-designed exterior glass panels blend opaque and transparent glazing to reduce energy costs; allow full daylight and outdoor views for diners; and promote privacy between the facility and adjacent residence halls. Students gather in small seating nooks strategically interspersed among serveries to socialize, dine, and utilize the WIFI connectivity found on both levels of the modernized and welcoming hub.

The reuse of the existing structural spaces kept construction demolition to a minimum; recycled and regional materials are utilized throughout; and low-emitting paints, sealants, and flooring optimize indoor environmental quality. The facility boasts a highly energy-efficient variable refrigerant system, low-flow plumbing fixtures, LED lighting, and roofing and pavers that reflect solar radiation and reduce heat island effect.

- 9,500 GSF new construction
- 9,750 GSF modernization
- 5,100 GSF terrace restoration
- Programming & Planning, Architecture, MEP Engineering, Structural Engineering





## / health education

We are committed to helping our nation address some of today's most critical issues – education, healthcare, and energy. Working with clients whose mission embodies the intersection of these issues is our passion and privilege. Our integrated AEEI team is helping advance integrated, systems- and team-based education for medical, nursing, dentistry, and allied health professionals through client-centered, high-performance design.

Our evidence-based approach yields flexible, immersive, and active spaces that support diverse learning styles, promote synergies for collaboration, and help ease students' transition to clinical work. From technology-infused environments for medical simulation, to smart classrooms and labs, and to gracious soft spaces, our goal is a unified spatial experience that fosters learning in community. This is how we define high-performance design – beautiful facilities that express institutional vision and identity, promote occupant health and well-being, encourage inter-professional community, and maximize energy performance for fiscal sustainability.

/ East Carolina University  
School of Dental Medicine Greenville, NC  
Ledyard Ross Hall



A new on-campus instructional facility and its associated rural satellite clinics are advancing ECU's innovative model of service-oriented dental care, in which fourth-year students work off campus to provide dental services to underserved citizens under the guidance of experienced faculty.

Ross Hall is designed to support the latest trends in dental medicine and clinical training. The facility includes 133 dental operatories, five specialty clinics, smart classrooms, teleconference rooms, and state-of-the-art simulation labs, as well as administrative/support spaces. In particular, the Preclinical Technique and Clinical Simulation Labs promote hands-on training and collaboration. The satellite Service Learning Centers are designed to enhance the patient experience, enabling students to easily transition into the clinical environment.

The EYP-led design team, including consulting architects Bohlin Cywinski Jackson, worked with a wide variety of stakeholders, including faculty from dental schools nationwide. Two of the satellite clinics are open (Ahoskie and Elizabeth City), four are under construction, and several more are in the planning stages.

- 185,000 GSF new construction (Ross Hall)
- 7,700 GSF new construction (Service Learning Centers)
- Programming & Planning, Architecture

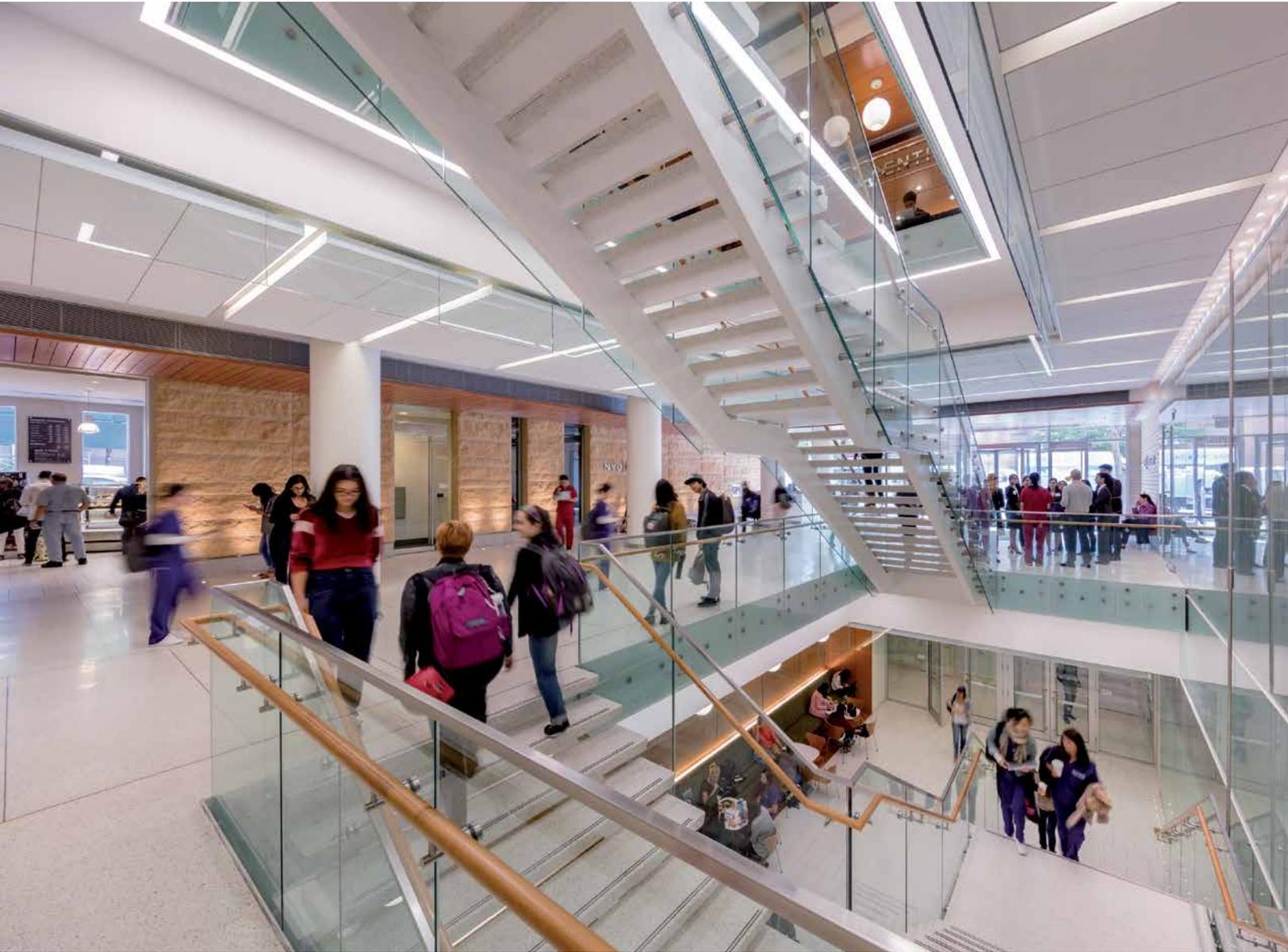




BEDYARD L. ROSS HALL

/ New York University New York, NY

College of Nursing, College of Dentistry & Bioengineering  
Institute



To attract and better serve the very best students, 433 First Avenue is designed to provide a gracious, unified spatial experience appropriate to those who will lead the future of healthcare. The signature facility collocates programs in nursing, dentistry, and bioengineering to cultivate a unique model for educating healthcare professionals in environments that foster synergies for collaboration, research, teaching, and community service.

The LEED Silver-designed facility is conceived as an innovative vessel for human-focused technology. The latest systems and equipment – from LED lighting to controllability of HVAC systems – enhance occupant experience and improve building energy performance. Technology-infused teaching spaces are designed to ease the transition from education to clinical environment. Medical simulation training improves patient safety by enabling future health care professionals to “practice on plastic,” presenting students with increased opportunities to refine skills and advanced techniques.

NYU’s world-class brand is pervasively expressed through attractive finishes, comfortable furnishings, and one-stop shops for student services that recognize their constituencies are discerning customers as well as active learners. Strategic glazing showcases the activities within and opens expansive views of the city’s million-dollar views – a design solution that enhances the facility’s spacious feel despite the space constraints of its tight urban site.

KPF was collaborating architect on this project.

- 170,000 GSF new construction
- Programming & Planning, Architecture, Laboratory Planning





/ University of St. Thomas Houston, TX  
Center for Science & Health Professions



The Center for Science and Health Professions is the first step in realizing the master plan of creating a science quadrangle at the University of St. Thomas (UST). The 180,000 SF building includes the Nursing, Biology, Chemistry, Environmental, and Mathematics Departments.

Built around a master plan created by Philip Johnson, the academic departments at UST are organized in two-story, modernist buildings around a shaded courtyard. Introducing a new building demanded a high level of sensitivity to the existing campus. However, the building's location at the southern boundary presented the opportunity to create a new gateway to the university.

In response, the design presents five interconnected pavilions around a courtyard, which reduces the large scale of the building. The five small pavilions, echoing the scale, form, and character of the existing campus and neighborhood context, are organized around a central courtyard at the width of the Academic Mall. Developing an outdoor plaza facing the Library and the southern terminus of Johnson's academic quadrangle strengthens connections to the existing campus.

- 180,000 SF
- Programming, Architecture, Laboratory Planning





/ Virginia Commonwealth University Richmond, VA  
Allied Health Building



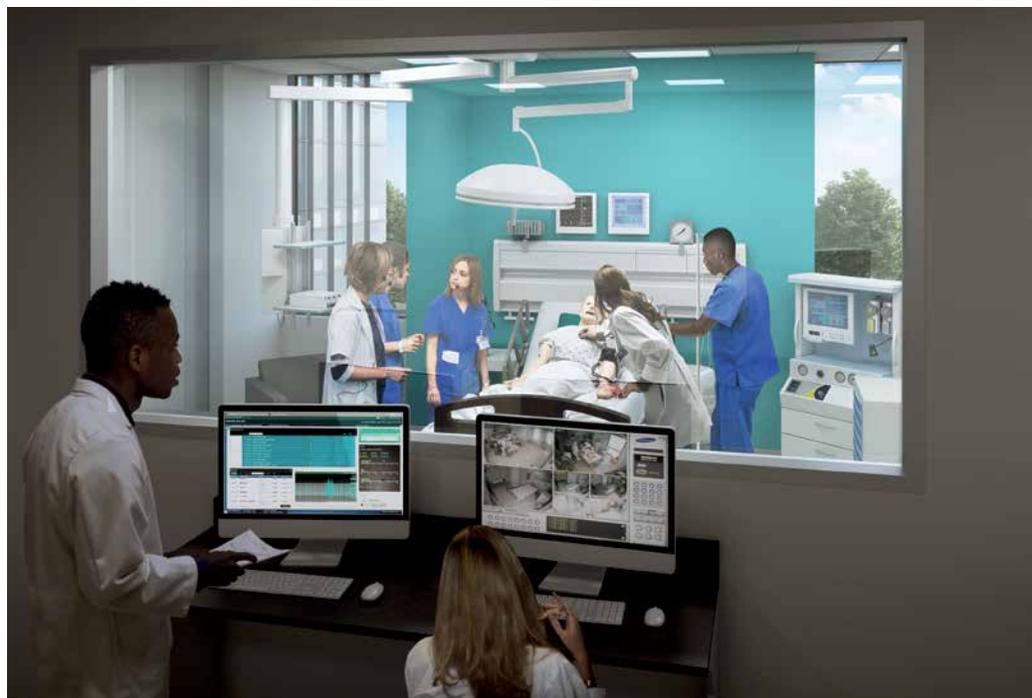
The new Allied Health Building will unite Gerontology, Health Administration, Nurse Anesthesia, Occupational Therapy, Patient Counseling, Physical Therapy, Radiation Sciences, Rehab Counseling, and the Technology Center, as well as the Dean's Office and the Virginia Center on Aging.

Variably sized, flexible classrooms located throughout the building will support strategic adjacencies and ease of sharing. The design enables departments to share teaching amenities and technologies, such as synchronous distance-learning classrooms; audiovisual capture of directed instruction; and observation of patient-care simulation.

The building houses a dedicated Nurse Anesthesia simulation suite, as well as one shared by all of the allied health disciplines working individually or in teams across specialties. Simulated hospital environments will be provided for operating rooms, acute care patient rooms, recovery rooms, and a range of imaging spaces including a high-tech virtual linear accelerator. The therapy departments will share a state-of-the-art Smart Home Apartment for training students.

The program also includes a double-height biomechanics research lab and several maker labs, where students and faculty can research, create, and test their own adaptive aids for therapy.

- 54,000 GSF new construction
- Architecture, Programming & Planning, Laboratory Planning, Fire Protection Engineering, Energy Analysis





/ University of Texas Health Science  
Center at Houston Houston, TX  
School of Dentistry

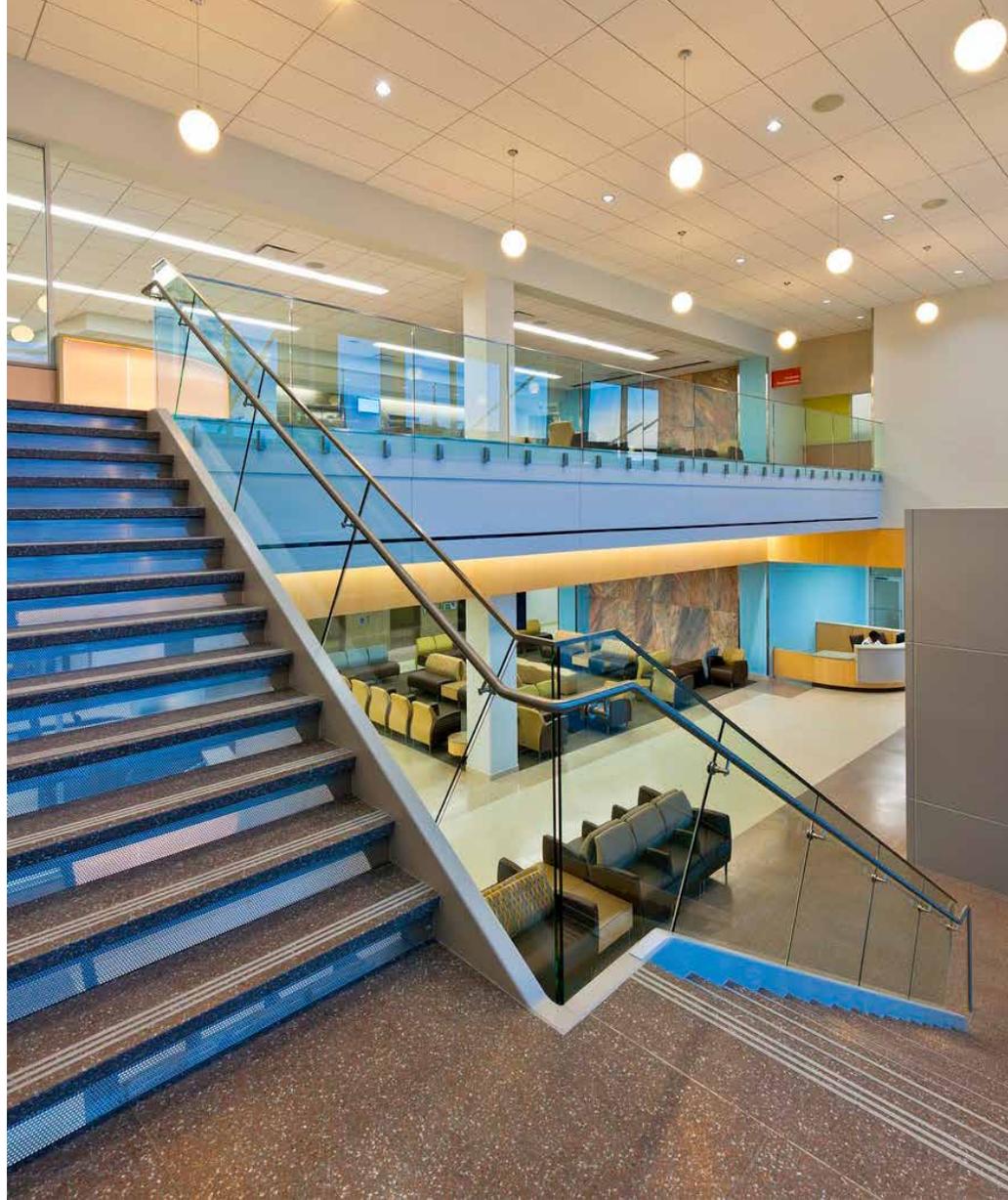


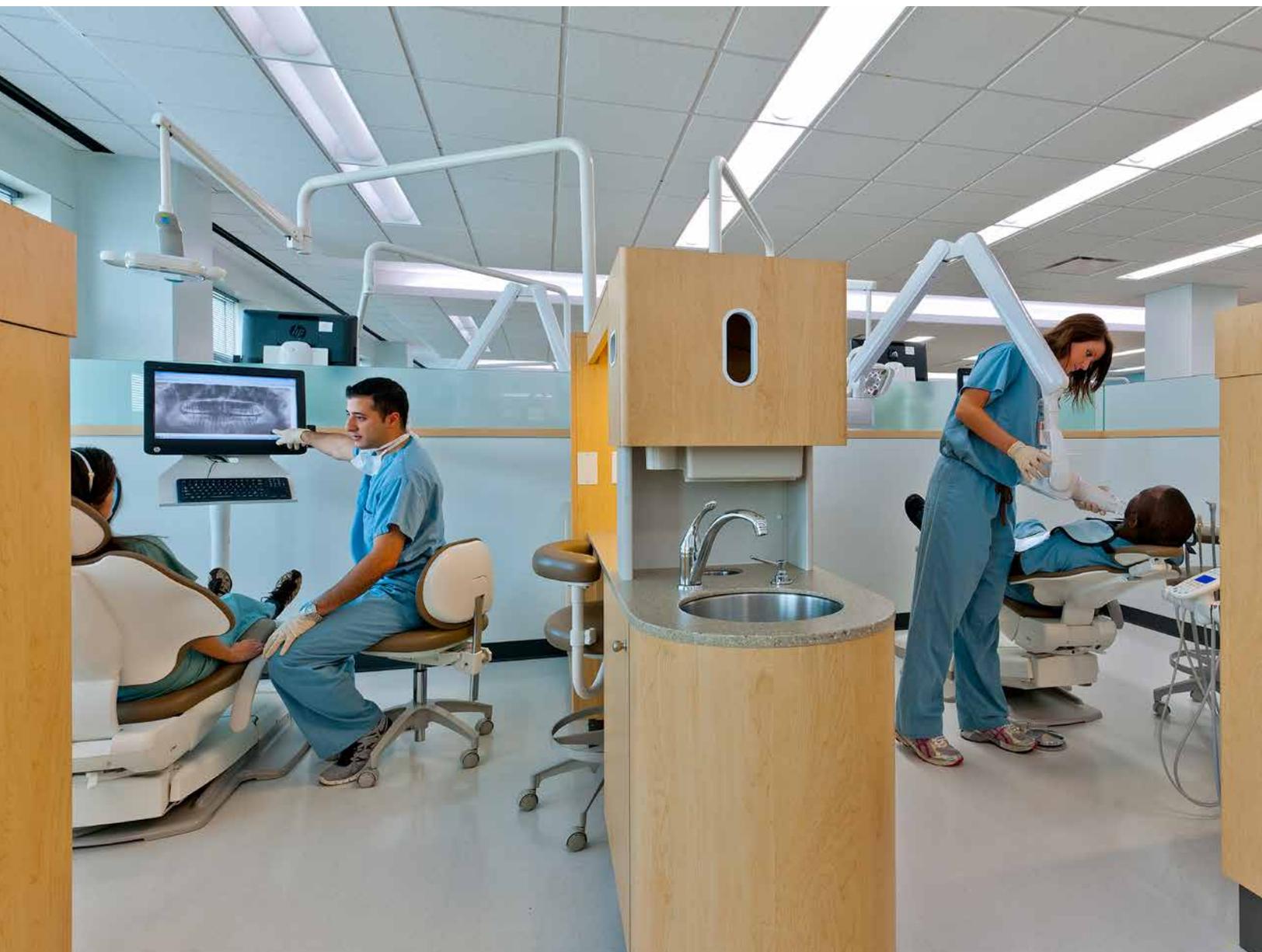
The School of Dentistry is a new, six-story dental education and clinical facility complete with dental clinics, simulation and pre-clinical labs, clinical support labs, a clinical research lab, classrooms, a learning resource center, a student center, and administrative space.

The school houses some of the industry's most advanced equipment and education technology, allowing for the highest quality in patient care, research, and education, assisting the University in reaching its goal of graduating the most well-trained dental professionals in the world.

The facility enabled UTHealth to expand its program by 20 percent to accommodate 100 Dental Medicine students and 50 Dental Hygiene students per cohort.

- 296,500 SF new construction
- Programming, Planning, Architectural Design, Furniture Planning, Graphics, and Wayfinding
- Three distinct zones: public (patient care), education and simulation, and faculty and staff
- Diagnostic center
- Imaging suite
- Special patient clinic
- Fourth-year/dental hygiene clinic
- Specialty clinics for oral and maxillofacial surgery, orthodontics, pediatric dentistry, endodontics, prosthodontics and periodontics
- Faculty practice clinic
- 285 operatories
- Clinical labs
- Simulation lab
- Pre-clinical lab
- Central sterile
- Tiered and flexible flat-floor classrooms
- Student lounge
- Learning resource center
- Departmental and administrative offices
- Biomaterials lab
- Diagnostics lab





# / University of Texas Medical Branch Galveston, TX

## New Health Education Center

The Health Education Center (HEC) at the University of Texas Medical Branch at Galveston (UTMB), scheduled for completion in 2018, will consist of 160,000 GSF of resilient and advanced technology education space.

The HEC will promote inter-professional education in all UTMB schools, which include nursing, health professions and medicine, along with professional education for residents, nurses, physicians and staff.

The facility will be the home of a new centralized Simulation Center for the UTMB campus. It will feature flexible and specialized labs, including an OR/ICU Suite, a Standardized Patient Suite and flexible simulation labs for the UTMB health education community.

The large learning labs will accommodate a range of simulation technology and will be specifically sized to bring interdisciplinary teams together. The labs will also be designed to integrate simulation spaces and debrief spaces to create an immersive experience for students.

The Health Education Center will also include large flat-floor classrooms to enable “flipped classroom” pedagogy, study spaces, educational offices and administrative space. All of this will help UTMB manage the growth of its health education programs and increase in exposure to hands-on simulation.

- 160,000 GSF new construction



/ James Madison University Harrisonburg, VA  
Health & Behavioral Studies Building



The new interdisciplinary facility is designed to foster the behaviors essential for success in the increasingly interprofessional healthcare work environment.

Larger departments – Nursing, Health Science (including Occupational Therapy, Athletic Training, and Dietetics), and Communication Sciences and Disorders – share floors and simulation spaces. Smaller departments and program elements – Social Work, Creative Services, and the Dean’s suite – are located by functional adjacency. Specialized teaching laboratories anchor each floor, creating distinct identities for the departments, as well as destinations for other faculty and students.

The building houses three types of simulation learning technology: simulation mannequins, human patient simulation, and virtual patient simulation. In addition to teaching laboratories, classrooms, lecture halls, informal learning spaces, and administrative spaces, the program includes specialized research and clinical spaces to study and treat patients with hearing and communication impairments.

- 150,000 GSF
- LEED Silver design
- 13 research labs
- 17 classrooms
- 19 teaching lab
- Patient simulation lab
- Food production lab
- 2 165-seat lecture halls
- Hearing clinic





## / capabilities

### Architecture

- Design
- Planning
- Programming
- Interior Design
- Life Safety
- Signage & Wayfinding
- Workplace Strategy & Design
- Master Planning

### Energy

- Energy Data Analysis
  - Energy modeling
  - Benchmarking
- DSM Programs for Utilities
- Building Performance Optimization
  - Energy Audits
  - Energy Master Plans
  - Retro-commissioning

### Engineering

- Electrical
- Fire Protection
- Mechanical
- Plumbing
- Security
- Structural
- Telecommunications

### Software

- B3 Benchmarking
- NEO Net Energy Optimizer®
- Custom tools with WeidtSim®

### Consulting

- Graphic & Environmental Design
- Marketing Communications
- Public Relations

## / higher education clients

Abilene Christian University  
Adelphi University  
Alamo Colleges  
Albany College of Pharmacy and Health Sciences  
Albany Law School  
Amarillo College  
American University  
Amherst College  
Angelo State University  
Appalachian State University  
Assumption College  
Austin College  
Austin Community College District  
Austin Peay State University  
Barnard College  
Bay Path College  
Baylor College of Medicine  
Baylor University  
Bemidji State University  
Bennington College  
Berea College  
Binghamton University  
Black Hills State University  
Boston College  
Boston University  
Bowdoin University  
Bowie State University  
Brandeis University  
Bridgewater College  
Brookdale Community College  
Brookhaven College  
Brown University  
Bryant University  
Bucknell University  
Buena Vista University  
Cabrini College  
Canisius College  
Carleton College  
Case Western Reserve University  
Cazenovia College  
Central College  
Central Texas College  
Chatham University  
Christopher Newport University  
Clarendon College  
Clemson University  
Clinton Community College  
Coastal Bend College  
Colby College  
Colgate University  
College of Saint Elizabeth  
College of Staten Island  
College of the Holy Cross  
Collin College  
Columbia University  
Concordia College  
Connecticut College  
Cornell University  
Dallas County Community College District  
Dartmouth College  
Del Mar College  
Dominican College  
Duke University  
East Carolina University  
East Carolina University School of Dental Medicine  
Eastern Michigan University  
Eastfield College  
Effat University  
El Centro College  
Emmanuel College  
Emory and Henry College  
Emory University  
Farmingdale State College, State University of New York  
Finger Lakes Community College  
Florida Southern College  
Fordham University  
Franklin & Marshall College  
Franklin College  
Frederick Community College  
Gallaudet University  
Galveston College  
George Mason University  
Georgetown University  
Georgia Institute of Technology  
Goucher College  
Grinnell College  
Hamilton College  
Hampden-Sydney College  
Hardin-Simmons University  
Hartwick College  
Harvard Business School  
Harvard College Library

## / higher education clients

Harvard University  
Harvard University, John F. Kennedy  
School of Government  
Haverford College  
Herkimer County Community College  
Houston Baptist University  
Houston Community College  
Howard University  
Hudson Valley Community College  
Iowa State University  
James Madison University  
Johns Hopkins University  
Kean University  
Keene State College  
Lafayette College  
Laguardia Community College  
Lamar Institute of Technology  
Lamar State College - Port Arthur  
Lamar University  
Lehigh University  
Lone Star College System  
Loyola University New Orleans  
Lubbock Christian University  
Manhattanville College  
Marist College  
Marshall University  
Massachusetts College of Liberal Arts  
Massachusetts Institute of Technology  
Massachusetts Maritime Academy  
McMurry University  
Medical University of South Carolina  
Mercy College  
Meredith College  
Michigan State University  
Middlebury College  
Midwestern State University  
Minnesota State Colleges & Universities  
Mississippi State University  
MIT Department of Facilities  
Mitchell Community College  
Mohawk Valley Community College  
Monmouth University  
Montclair State University  
Montgomery College  
Moravian College  
Morgan State University  
Mount Aloysius College  
Mount Holyoke College  
Mount Saint Mary College  
Muskingum University  
Navarro College  
New Jersey City University  
New Jersey Institute of Technology  
New York University  
North Carolina A&T State University  
North Carolina Central University  
North Carolina State University  
Northeastern University  
Northern Virginia Community College  
Northland College  
Northwestern University  
Orange County Community College  
Pace University  
Pennsylvania State University  
Prairie View A&M University  
Princeton University  
Purchase College  
Quinsigamond Community College  
Radford University  
Ramapo College of New Jersey  
Rensselaer Polytechnic Institute  
Rice University  
Richard Stockton College of New Jersey  
Rochester Institute of Technology  
Rockefeller University  
Rockhurst University  
Rockland Community College  
Roger Williams University  
Rollins College  
Rowan College at Burlington County  
Rutgers, The State University of New Jersey  
Sage Colleges  
Saint Joseph's College  
Sam Houston State University  
San Jacinto College  
Sarah Lawrence College  
School of Visual Arts  
Schreiner University  
Siena College  
Skidmore College  
Southern Methodist University  
Southwestern University

## / higher education clients

Spring Hill College  
Springfield Technical Community College  
St. Edward's University  
St. John's University  
St. Mary's College of Maryland  
St. Mary's University  
St. Olaf College  
Stanford University  
State University of New York at New Paltz  
State University of New York at Oneonta  
State University of New York College at Cortland  
State University of New York Institute of  
Technology at Utica/Rome  
Stephen F. Austin State University  
Stetson University  
Stevenson University  
Stony Brook University  
Sul Ross State University  
SUNY Broome Community College  
SUNY Cobleskill  
SUNY Geneseo  
SUNY Maritime College  
SUNY Polytechnic Institute  
SUNY Upstate Medical University  
Swarthmore College  
Syracuse University  
Tarleton State University  
Tarrant County College  
Temple University  
Texas A&M College of Medicine  
Texas A&M International University  
Texas A&M University  
Texas A&M University Baylor College of Dentistry  
Texas A&M University-Central Texas  
Texas A&M University-Commerce  
Texas A&M University-Corpus Christi  
Texas A&M University-Galveston  
Texas A&M University-Kingsville  
Texas A&M University-San Antonio  
Texas A&M University-Texarkana  
Texas Christian University  
Texas Southern University  
Texas State Technical College-Harlingen  
Texas State Technical College-Waco  
Texas State University  
Texas Tech University  
Texas Tech University Health Science Center  
Texas Wesleyan University  
Texas Woman's University  
The Catholic University of America  
The City University of New York  
The College of New Jersey  
The College of New Rochelle  
The College of Saint Rose  
The College of William & Mary  
The College of Wooster  
The George Washington University  
The Ohio State University  
The State University of New York  
The Texas A&M University System  
The Texas State University System  
The University of North Carolina at Charlotte  
The University of Texas at Arlington  
The University of Texas at Austin  
The University of Texas at Brownsville  
The University of Texas at Dallas  
The University of Texas at El Paso  
The University of Texas at San Antonio  
The University of Texas at Tyler  
The University of Texas Health Science Center at Houston  
The University of Texas Health Science Center at  
San Antonio  
The University of Texas Medical Branch at Galveston  
The University of Texas of the Permian Basin  
The University of Texas System  
The University of Texas-Pan American  
Towson University  
Transylvania University  
Trinity College  
Trinity University  
Trinity Valley Community College  
Trinity Washington University  
Truman State University  
Tufts University  
Union College  
United World College  
University at Albany  
University at Buffalo  
University of Akron  
University of California  
University of Charleston  
University of Chicago

## / higher education clients

University of Dallas  
University of Dayton  
University of Delaware  
University of Denver  
University of Florida  
University of Houston  
University of Houston - Clear Lake  
University of Houston - Downtown  
University of Houston - Victoria  
University of Iowa  
University of Mary Hardin - Baylor  
University of Mary Washington  
University of Maryland, Baltimore  
University of Massachusetts Amherst  
University of Massachusetts Dartmouth  
University of Michigan  
University of Minnesota  
University of Missouri  
University of New England  
University of New Hampshire  
University of New Haven  
University of New Mexico  
University of North Carolina at Chapel Hill  
University of North Carolina at Greensboro  
University of North Carolina at Pembroke  
University of North Carolina at Wilmington  
University of North Carolina School of Medicine  
University of North Texas  
University of North Texas System  
University of Oxford  
University of Pennsylvania  
University of Pittsburgh  
University of Richmond  
University of Scranton  
University of South Carolina  
University of Southern Maine  
University of St. Joseph Connecticut  
University of St. Thomas  
University of Tennessee at Knoxville  
University of Texas MD Anderson Cancer Center  
University of Texas Southwestern Medical Center  
University of the Incarnate Word  
University of Vermont  
University of Virginia  
University of Virginia Foundation  
University of Wisconsin - Madison  
University System of New Hampshire  
UNT Health Science Center  
University of Wisconsin - Whitewater  
Vassar College  
Virginia Commonwealth University  
Virginia Community College System  
Virginia Polytechnic Institute & State University  
Virginia State University  
Wake Technical Community College  
Washington & Jefferson College  
Washington College  
Washington University in St. Louis  
Wayne State University  
Weatherford College  
Wellesley College  
West Texas A&M University  
West Virginia University  
Western Technical College  
Wharton County Junior College  
Wheaton College  
Williams College  
Winston-Salem State University  
Worcester Polytechnic Institute  
Yale University  
Yale University School of Medicine  
Yeshiva University



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