

HEALTH SCIENCE EDUCATION

ARCHITECTURE / INTERIORS / PLANNING



Ochsner Center for
Med Health
MACKEY MITCHELL
ARCHITECTS

INNOVATIVE LEARNING ENVIORNMENTS



Designing the Future of Health Science Education

INTRODUCTION

At Mackey Mitchell Architects, our Health Science Education team creates inspiring environments where future healthcare professionals learn, collaborate, and thrive. From simulation labs to clinical training centers, our designs advance evidence-based learning and patient-centered care.

With projects like the Ochsner Center for Nursing and Allied Health at Delgado Community College, the Nursing Simulation Building at Southern Illinois University Edwardsville, and Sampson Hall at Stephens College, our work embodies innovation, flexibility, and a deep understanding of how people learn.

Rooted in our home region of St. Louis, our team partners closely with institutions, consultants, and contractors to shape spaces that promote well-being, collaboration, and lifelong learning. Through research-driven design, health-focused solutions, and neurodiverse strategies, we're helping define the next generation of health education environments.

HIGHER EDUCATION CLIENTS

85+

STUDENTS SERVED WITH LIVE +
LEARN SPACES

2M

TOTAL SQUARE FOOTAGE OF SPACES WE
DESIGNED TO EMPOWER FUTURE CAREGIVERS.

573k

**SIMULATION-ENHANCED LEARNING:
ELEVATING CLINICAL SKILLS AND
PATIENT SAFETY**

Our facilities are designed to support simulation-based education, which has been shown to improve clinical skills, enhance patient safety, and lead to better clinical outcomes.

OUR 4-STEP APPROACH TO HEALTH SCIENCE EDUCATION DESIGN

01 Discover & Understand

We listen to uncover wants and needs. We collaborate with faculty, administrators, and stakeholders to identify strategic goals and program priorities.

02 Research & Benchmark

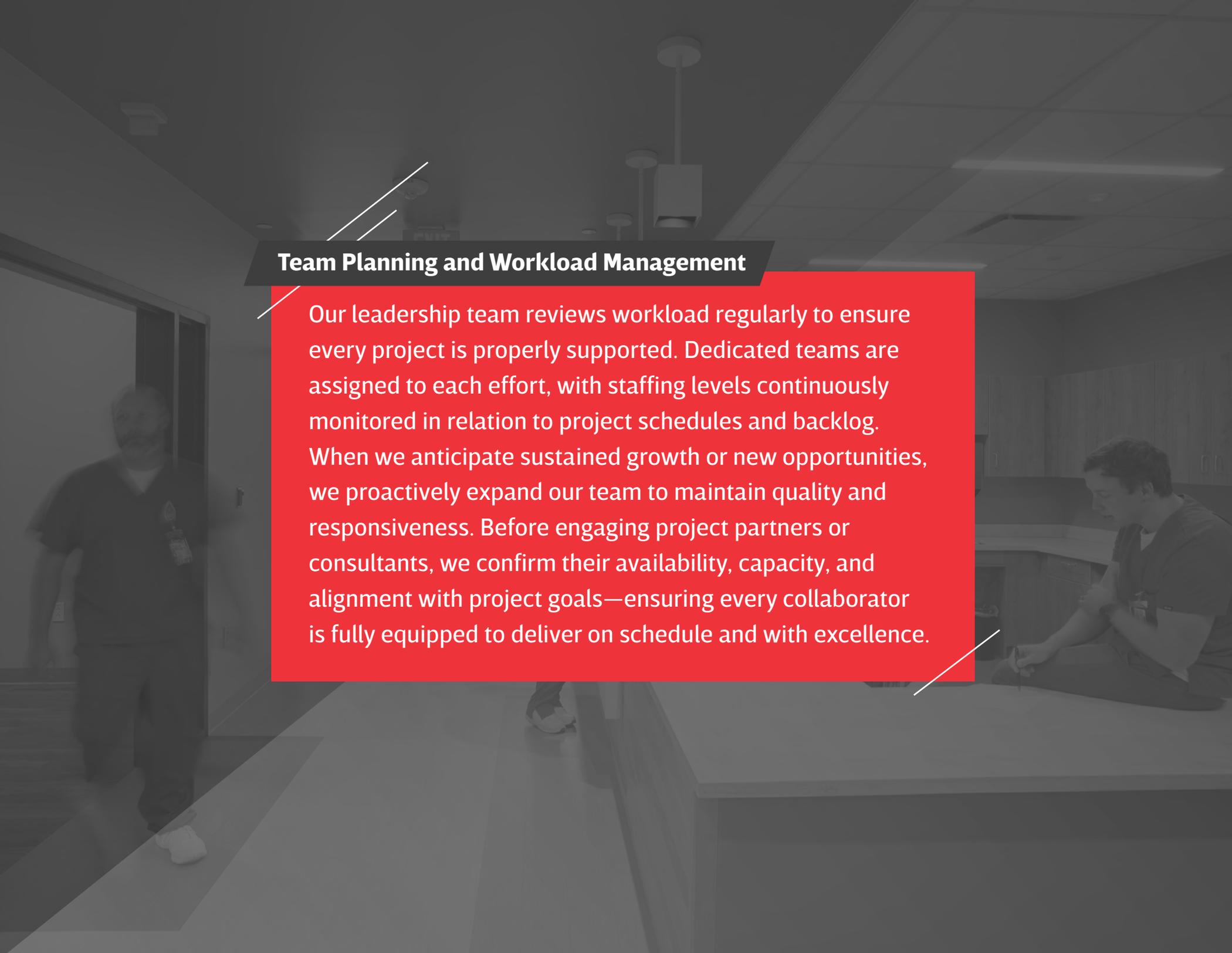
We learn from the best. We study peer facilities, industry trends, and evidence-based practices to inform innovative learning environments for future-forward design.

03 Concept & Align

We explore options to make decisions. Multiple design concepts are developed using 3D modeling and conceptual pricing, balancing classrooms, labs, and simulation spaces, and more.

04 Implement & Grow

We bring your vision to life. Our designs foster program expansion, workforce development, and stronger clinical outcomes—addressing the operational and technical needs for long-term success.



Team Planning and Workload Management

Our leadership team reviews workload regularly to ensure every project is properly supported. Dedicated teams are assigned to each effort, with staffing levels continuously monitored in relation to project schedules and backlog. When we anticipate sustained growth or new opportunities, we proactively expand our team to maintain quality and responsiveness. Before engaging project partners or consultants, we confirm their availability, capacity, and alignment with project goals—ensuring every collaborator is fully equipped to deliver on schedule and with excellence.





Sampson Hall Center for Health Sciences

STEPHENS COLLEGE, COLUMBIA, MO

Size

20,000 SF

Delivery Method

CMAR

Construction Cost

\$6M

Construction Type

New and Renovation

Design Start And Finish

Feb 2015 - July 2015

Substantial Completion

July 2016

Services Provided

Full architectural services

Stephens College, the second oldest women's college in the U.S., wanted to increase its emphasis on science and math, adding a Physician Assistant Masters program as part of this expansion. After completing a feasibility study, Mackey Mitchell Architects, with HERA Lab Planners, was also chosen to design the home for this new program.

Achieved under a challenging budget, the renovation and expansion of Sampson Hall provides modern teaching and laboratory space for the new program. The project involved substantial infrastructure upgrades to the aging, vacated 1940s building and its many additions. The renovation also included a complete interior demo and abatement.

The design team worked to open up and unify space within the heavy concrete and masonry shell to promote flexibility and a deeper sense of community among faculty and students of all levels. We developed dynamic spaces to foster the problem-based learning pedagogy. A cadaver lab accommodating seven cadaver tables, a physician assistant lab, mock hospital room, and two large classrooms that promote student collaboration are some of the primary spaces available to the Physician Assistant students. The forlorn building on a previously uninspired corner of campus has become a welcoming, modern beacon of activity.

Ochsner Center for Nursing and Allied Health

DELGADO COMMUNITY COLLEGE, NEW ORLEANS, LA

Size

210,000 SF

Delivery Method

CMAR

Construction Cost

\$44M

Construction Type

New Construction

Design Start And Finish

Oct. 2018 - Dec. 2023

Substantial Completion

Dec. 2023

Services Provided

Full architectural and design services

Delgado Community College is Louisiana's oldest and largest community college, and New Orleans' largest higher education institution. A partnership between the Louisiana Community and Technical College System (LCTCS) and Louisiana State University (LSU) has designated use of the current LSU Health New Orleans School of Medicine building as the new Allied Health, Nursing, and Culinary Arts building for Delgado. We collaborated with Manning Architects and HERA Lab Planners to design the new home for these programs.

The project consisted of interior renovations and selective demolition, to combine general education spaces, classrooms, administrative and faculty spaces, and functional support spaces for all of Delgado's 28 existing allied health programs—serving 6,000 students—into a single, state-of-the-art learning and laboratory facility. The building also supports Delgado's culinary arts and hospitality management programs, serving another 1,200 students.

The previous facility, while imbued with beautiful architectural features, cannot meet the needs of Delgado's high-tech workforce development programs, including those in Nursing, Polysomnography, Radiology, Respiratory Care, Ophthalmic, and Surgical Technology, among others. This renovation prepares Delgado's diverse students to achieve their professional goals and increase Louisiana's skilled workforce.







School of Nursing and Division of Allied Health

BATON ROUGE COMMUNITY COLLEGE, BATON ROUGE, LA

Size

110,000 SF

Delivery Method

Design-Bid-Build

Construction Cost

\$31M

Construction Type

New Construction

Design Start And Finish

Oct. 2021 – May 2023

Substantial Completion

May 2023

Services Provided

Full architectural and design services

The new building provides state-of-the-art nursing instruction and clinical lab environments along with other specialized healthcare training areas designed to increase the pool of trained nurses in the State of Louisiana and Baton Rouge area. It also consists of general classroom instruction spaces for other courses and programs at BRCC.

The new facility combines BRCC's School of Nursing and Division of Allied Health under one roof, and will house the college's current programs in Nursing, Sonography, Surgical Technician and Medical Assistant. It also allows the college to add high-demand programs in Respiratory Care, Physical and Occupational Therapy, and Athletic Training. The exterior was designed to blend seamlessly with the scale and materials of the campus.

Early design phases focused on detailed programming and interior design discussions with Baton Rouge Community College's administration, led by the Dean of Nursing and Allied Health and various program directors, to address the space requirements and equipment needs for each of the college's growing degree and certificate programs in Health Education. Significant emphasis and design attention focuses on flexibility, given the dynamic nature and accelerated rate of growth for existing and new programs on this campus.



Nursing Simulation Building Study & Suite Renovation

SOUTHERN ILLINOIS UNIVERSITY - EDWARDSVILLE, IL

Size

3,000 SF Renovation
20,000 SF Study

Construction Cost

\$1M Renovation
\$10-\$12M Anticipated After Study

Construction Type

Renovation

Substantial Completion

2020 Study Completed

Services Provided

Design, Planning, and
Programming

Southern Illinois University Edwardsville (SIUE) is strengthening its Allied Health and Nursing programs through a two-part initiative that includes the design of a new Nursing Simulation Building and renovation of the existing School of Nursing Suite. Working in collaboration with HERA Lab Planners, our team developed a comprehensive vision to enhance simulation-based education and provide state-of-the-art facilities that prepare students for clinical practice.

The new Nursing Simulation Building integrates with Alumni Hall to create a vibrant hub for undergraduate and graduate nursing education. Designed to meet LEED Silver standards, the facility will include flexible, technology-rich classrooms and simulated healthcare environments—from patient rooms and operating suites to nursing stations—all organized around a central control room for observation and recording. Complementing the new building, the renovated Nursing Suite introduces a main Skills Lab, High-Fidelity Patient Room, Operating Room, and support spaces that accommodate a range of simulation types. Together, these projects expand hands-on learning, address faculty and clinical access challenges, and strengthen SIUE's role as a regional leader in nursing education.





HEALTH SCIENCE EDUCATION DESIGN TEAM

Driving innovative learning environments for the students of tomorrow



MARCUS ADRIAN

AIA, LEED BD+C

*Principal In Charge / Learning
Spaces Design Expert*

With over 30 years of experience, Marcus Adrian is a nationally recognized expert in the design of learning environments, with a special focus on higher education and spaces that support diverse learning needs.

As a Principal at Mackey Mitchell Architects, he has led conceptual design and feasibility studies for elite universities and directed complex, multi-phased campus renovations. His seven-year collaboration with Washington University's Teaching Center has shaped the institution's classroom design standards, resulting in over two dozen new classrooms and 1,000+ student seats.

Marcus's portfolio includes projects for Ochsner Health, Delgado Community College, Southern Illinois University Edwardsville, Stephens College, and the University of Alabama. His work is guided by a belief that thoughtful, inclusive design enhances human potential and transforms educational experiences.



BETH KUTTERER- SANCHEZ

AIA

Project Manager

With 20 years of architectural experience, including 13 at Mackey Mitchell Architects, Beth Kutterer-Sanchez brings deep expertise in managing complex higher education, civic, and community projects. Clients value her collaborative approach and commitment to project success—from early planning through construction.

As co-leader of the firm's Health Education market, Beth has guided signature projects for Ochsner Health, Delgado Community College, Southern Illinois University Edwardsville, and DePauw University. Her work balances innovation with practicality, addressing the unique demands of educational and healthcare environments.

Beyond her professional practice, Beth is an active advocate for historic preservation, serving as Chair of the Historic Preservation Commission and a member of the Planning Commission in Columbia, Illinois. Her leadership reflects a passion for creating enduring spaces that serve both people and place.



GEOFF VAUGHN

AIA, LEED BD+C, EDAC

Project Architect

With 17 years of professional experience, Geoff Vaughn brings extensive expertise in healthcare and laboratory design to our firm. His portfolio spans complex environments—from microbiology research labs and phenotyping facilities to hospitals, clinics, pharmacies, and surgical spaces—reflecting a deep understanding of technical systems and user needs.

Skilled in both new construction and phased renovations, he prioritizes identifying client goals and values early in the process to ensure every design decision supports project vision and functionality. His evidence-based design accreditation underscores a commitment to creating environments that enhance health, safety, and performance. Geoff's recent work includes projects for Baton Rouge Community College, Washington University School of Medicine, and the Donald Danforth Plant Science Center, demonstrating his ability to integrate innovation, efficiency, and care-centered design across diverse project types.



ANDREW GILLES

AIA, LEED AP

Project Designer

With 24 years of architectural experience, Andrew Gilles brings award-winning design expertise and a deep background in healthcare, research, and education facilities. As a Project Designer at Mackey Mitchell Architects, he blends creativity with technical precision—using advanced 3D visualization tools to help clients explore design options, make informed decisions, and achieve environments that balance beauty, function, and budget. His versatile career spans roles in master planning, design leadership, construction administration, and LEED consulting, giving him a comprehensive understanding of the design process from concept through completion.

Andrew's notable work includes projects for Ochsner Health, Delgado Community College, Southern Illinois University Edwardsville, and Banner Health, as well as major healthcare and research institutions such as BJC HealthCare, Washington University, and the Veterans Health Administration. His approach centers on finding elegant, practical solutions that elevate both the user experience and project vision.



PROVEN PARTNERSHIPS: WHAT OUR CLIENTS SAY



Their quality of work and dedication to timely completion, even on a compressed schedule, was instrumental in keeping the project on time and on budget. The state-of-the-art facility has been received with the highest praise, setting a standard for future architects and designers.

ADDERLY W SEVERIN

Program Manager CSRS , Louisiana Community and Technical College System Program



Mackey Mitchell worked with us step by step to think 'out of the box' in planning space and to think futuristically in identifying where we anticipate growth. Their team is professional, enthusiastic, and genuinely collaborative—making the process both productive and enjoyable.

ROBERTA HARRISON, PhD, RN,

Assoc. Dean for Academic Programs & Community/Global Partnerships



Mackey Mitchell Architects transformed a long-unused building into a space that perfectly captures our campus while supporting something new and exciting. They were highly collaborative, flexible, and truly a partner in education.

ERIC JOHNSON, MS, PA-C

Founding Director, Master of Physician Assistant Studies Program



This project will impact not only our students in Nursing and Allied Health, but will have a significant impact in our community as we're able to provide more high-demand training opportunities and equip and educate more healthcare professionals in this region.

WILLIE E. SMITH, EdD

Chancellor





ST. LOUIS (HQ)

900 Spruce Street,
Suite 500
St. Louis, MO 63102

DALLAS

2811 McKinney Avenue
Suite 350
Dallas, TX 75204

ASHEVILLE

71 Broadway Street
Suite 201
Asheville, NC 28801



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