

THE PROJECT

Monmouth University School of Science Strategic Plan 2010-2015 includes a vision to continue to enhance academic programs and curricula, grow enrollment, and create science facilities that promote a STEM (science, technology, engineering, and mathematics) education. The School includes four departments: Biology, Chemistry/Medical Technology/Physics, Computer Science & Software Engineering, and Mathematics. In addition, there are two Centers of Distinction: Rapid Response Institute and the Urban Coast Institute. DOBER LIDSKY MATHEY (DLM) worked with the University science and engineering faculty to develop a program that describes the facilities needed to support the revitalized pedagogy.



MONMOUTH UNIVERSITY CAMPUS WITH SCIENCE FACILITIES HIGHLIGHTED

CHALLENGE

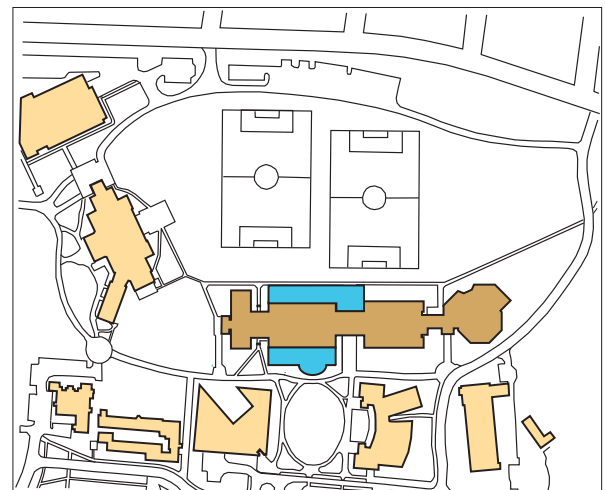
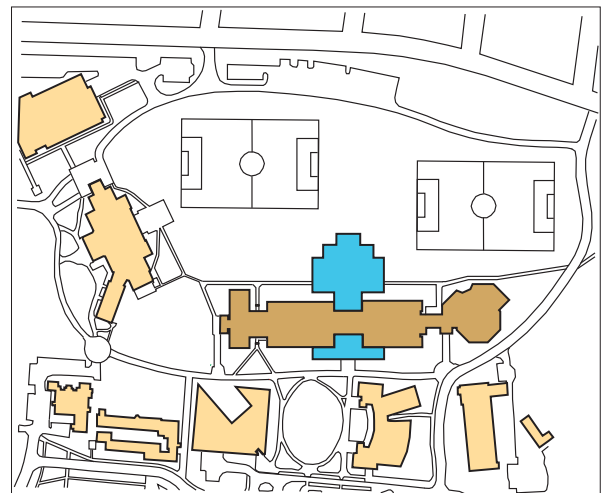
Science and engineering facilities at Monmouth do not provide a laboratory-rich learning environment nor do they provide interdisciplinary collaboration spaces. There are two buildings housing science and engineering facilities, which were constructed in the 1960's and do not support the current focus of hands-on, experiential learning. A constraint in expanding and improving science and engineering space was a limited budget, which will require optimal sharing of new and renovated space.

SOLUTION

Through a participatory process, a facility program was developed. DLM created four concept plans showing both renovated and new construction. The approved concept is to expand the science and engineering facilities to accommodate those functions that require the most sophisticated mechanical systems. Biology and Chemistry/Medical Technology/Physics require these building specifications and will be housed in new space. The remaining science and engineering departments will grow into those spaces vacated by Biology and Chemistry/Medical Technology/Physics and other non-science academic functions, with their new space renovated to adapt to current experiential learning environments.

RESULTS

Monmouth University is currently in the process of raising funds to advance this project.



CONCEPT PLANS

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DOBER LIDSKY MATHEY
CREATING CAMPUS SOLUTIONS