

# Integrated Engineering Research Center

The new state-of-the-art building will be a focal point for Fermilab engineering. Its collaborative research spaces will connect engineers, scientists and technicians to tackle the technical challenges of particle physics.



The Integrated Engineering Research Center will be built to the northeast of Wilson Hall and connect to the lab's 16-story office building. Design by Perkins + Will.

Fermilab's Integrated Engineering Research Center will be a testament to the synergy between the many professionals that converge from around the globe to work on particle physics research. Scheduled to be complete in 2022, the new building will facilitate tighter connections between collaborators, bringing together multiple areas of expertise into a single research building.

## Centralized and modernized

The Integrated Engineering Research Center, or IERC, will provide a collaborative laboratory space that not only houses research but also fosters innovation among the researchers who occupy it, inspiring them with its design. Its state-of-the-art technical spaces and laboratories are programmed to adapt for multiple uses now and into the future. Through modular planning principles, controllable building systems and future-thinking performance parameters, IERC will meet the needs of today's—and tomorrow's—engineers and researchers.

IERC will be a major addition to the Fermilab core campus and bring engineers and technicians closer to the scientists in adjoining Wilson Hall, Fermilab's main office building. The delicate and intentional nature of IERC's design thoughtfully connects to the iconic structure through materiality, massing and scale while making a bold statement for the future of the lab.

## Advancing science

The new two-story facility is a critical element in support of Fermilab's role as host laboratory for the international Deep Underground Neutrino Experiment and the Long-Baseline Neutrino Facility, providing space for engineering and detector R&D.

IERC is designed specifically to support collaboration by providing needed multifunctional and reconfigurable space for new initiatives, including those in quantum science. It will also provide spaces for new endeavors such as liquid-argon detector development and the design of electronics and chip development.

## Continuing a legacy of innovation

The IERC design respects and honors the heritage and vision of the Fermilab campus and its landmark Wilson Hall, often seen as a physical symbol of the lab's history of pioneering science and technology. Fermilab founding director Robert Wilson envisioned Fermilab as an institution at the frontiers of physics whose buildings reflect the grandeur of the laboratory's ambitions: to answer fundamental questions about our universe.

A beacon to attract and retain the best and brightest engineers to the Fermilab science mission, IERC will stimulate a vibrant and forward-looking collaborative environment, enabling innovation at Fermilab for decades to come.