

RENSSELAER | ARCHITECTURE

THE BEDFORD PROGRAM

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PROGRAM DESCRIPTION: The Bedford Program links the School of Architecture and the Department of Civil and Environmental Engineering to advance the principles of integrated design and collaboration between disciplines. Since 2005, a world-renowned practicing structural engineer is appointed to a three-year position to lead the program. The program is designed to bring emerging forms of practice, technologies, and interdisciplinary thinking to both student groups. The program is open to all architecture and structural engineering students.

THE BEDFORD SEMINAR: Taught by the Visiting Bedford Chair Professor, this small and hands-on seminar is made up of an equal number of architecture and engineering students focusing on advanced structural typologies and form finding using parametric modeling tools for both design and structural analytics.

THE BEDFORD STUDIO: The Bedford Studio is integrated into Integrated Design Development Architecture Studio. Teams of architects and engineers work together on a studio design project to develop a comprehensive project under the tutelage of the Visiting Bedford Chair Professor and the School of Architecture Faculty. Students design and develop projects from conceptual design to structural drawings and enclosure details together in a studio setting using sketching, physical model making, and Building Information Modeling (BIM) software.

THE BEDFORD TRAVELING WORKSHOP: A 9-day international workshop for 6 architecture and 6 engineering students, to investigate progressive architecture and engineering projects and practices and the various emerging interdisciplinary approaches to design. Past trips have included; Zürich-Stuttgart-Berlin, London, Paris, Barcelona-Madrid, Tokyo, and Melbourne. Open to students who have completed the first two parts of the program, the Traveling Workshop offers a unique experience to tour some of the world's most innovative firms and best projects.

CONTACT INFORMATION

Department of Architecture
soastaff@rpi.edu
(518) 276-6466



Facebook: @rensselaerarchitecture

Instagram: rpi_architecture

Twitter: @RPIarchitecture

