



WELLS // BUILD WITHOUT LIMITS

WELLS HPC + UHPC PRESENTATIONS

Advance your expertise in today's evolving built community with two continuing education presentations focused on high performance concrete systems. These courses highlight how advanced materials expand design possibilities, improve long-term performance, and support more efficient, thoughtful project delivery, giving you practical insight you can apply from early concept through completion.

SUSTAINABLE HIGH-PERFORMANCE CONCRETE: INNOVATIVE FACADES + INTERIOR SOLUTIONS (WELLS230 | 1 LU+HSW)

High Performance Concrete (HPC) delivers strength, durability, and refined aesthetics in thinner, more efficient applications. Its material efficiency supports reduced environmental impact while maintaining high performance. This course covers core properties, fabrication advancements, and design flexibility across a range of applications, along with best practices and the value of early coordination to achieve successful results.

LEARNING OBJECTIVES

- Compare standard concrete, HPC, and UHPC, and their applications
- See how material efficiency supports more sustainable outcomes
- Explore finish, color, and forming options for interior and exterior use
- Learn how to apply high performance concrete with design assist
- Review case studies that balance design goals with budget control

BEYOND THE SURFACE: DESIGN INNOVATION WITH UHPC + HPC FACADES (WELLS231 | 1 LU+HSW)

High Performance Concrete (HPC) and Ultra High-Performance Concrete (UHPC) are redefining facade design through exceptional strength, durability, and workability. These materials enable thinner profiles, sharper detailing, and complex geometries. This course explores key properties, compares them to conventional concrete, and shows how early collaboration supports efficient, design-driven outcomes, supported by real-world applications.

LEARNING OBJECTIVES

- Understand performance characteristics of HPC and UHPC, including custom mix design
- Differentiate conventional concrete from high and ultra high-performance systems
- Identify design strategies enabled by thinner, lighter, and more complex forms
- Evaluate project fit based on budget, design intent, and technical requirements
- Review case studies demonstrating performance, sustainability, and design impact

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