



Class Title: Insulated Concrete Sandwich Panels
Course Number: IWP-101
Credits: 1.00 LU/HSW

Insulated Concrete Sandwich Panels come in a wide variety of designs. Used for their strength, construction efficiency, design flexibility, and thermal performance, this course builds on pre-existing knowledge around concrete building construction and uncovers the science and engineering behind the latest concrete construction methods used around the world.

Class Title: Hardscape Design – Exposed Aggregate Using Surface Retarders
Course Number: EA 101
Credits: 1.0 LU/HSW

This course will examine the exposure of aggregate in concrete paving in commercial and residential landscape design. Introducing different techniques of exposing aggregate in a concrete Structure with varied exposures to aid designers can deliver desired effects in the exposed concrete.

Class Title: Importance of Curing Concrete Methods and Materials
Course Number: Curing 101
Credits: 1.0 LU/HSW

This course will review the basic principles of curing concrete and explore the most common methods and materials used to accomplish it. Also, the environmental impacts of various methods, and sustainability factors that arise from some curing methods will be examined. In addition, the impact of proper and improper curing on concrete's life cycle will be discussed, along with the benefits of using a Cure and Seal in lieu of just curing the Concrete.

Class Title: Introduction to Epoxy
Course Number: DDC ITE24
Credits: 1.0 LU/HSW

This course will guide you in selecting the proper Epoxy system by helping you differentiate the specifications with-in the Epoxy Product line. Epoxies consist of two components that react with each other forming a hard, inert material. Part A consists of an epoxy resin and Part B is the epoxy hardener. Epoxy properties are dependent upon the specific chemistry of the system and the nature of the cross-linking available.

Class Title: Rebar Splicing Product Training
Course Number: RS-1
Credits: 1.0 LU/HSW

This course will show how you can make concrete structures easier to construct, increase worksite production and increase the strength of concrete through joint intersections in the concrete slab and reduce rebar congestion in in the concrete slab. Results of this will yield a possibility of thinner concrete structures, reducing carbon footprint of the structure.

Class Title: Tilt-Up Construction: Methods and Processes
Course Number: DSC-TU
Credits: 1.0 LU/HSW

Through this course, fundamentals of tilt-up construction using different types of tilt-up panel techniques and placements, related terminology, and use designs will be discussed. Insulated Wall Panels, regarding Thermal Bridging panel layout and design with proper engineering policies to ensure a safe work environment will be relayed.