Our new Architectural Wall Systems are a load-bearing structural wall with an all-wood interior that truly blurs the lines between inside and outside. New approaches to windows and doors are encouraged by our complete control of the manufacturing process, from tree seed to delivered product, which means you get to design with products that deliver uncompromising beauty for years to come.
ARCHITECTURAL POWDER COATINGS  |  1 Credit HSW

- Understand powder coating and its history.
- Describe how the powder-coating application process works to conserve resources and how their development has led to a healthier and more sustainable facet of the building industry.
- Explain how powder coatings differ from liquid, and understand environmental and health benefits.
- Discuss architectural applications and testing related to powder coating, and how this technology increases durability and reduces waste.

SUSTAINABLE FORESTRY INITIATIVE  |  1 Credit HSW

- Explore developments in forestry practices, supply and demand of wood consumption, and impact of forest ownership on industry and trade.
- Discuss the importance of forest certification for environmental sustainability, including protection of wildlife, aquatic animals, water quality and the conservation of biological diversity, and provide an overview of the Sustainable Forestry Initiative (SFI).
- Review the SFI Standards, Principles, and Objectives, and the benefits to our wellness and health of our forests, with focus on Chain of Custody procurement ensuring wood products originated from sustainable forests.
- Investigate the benefits of using certified wood and the relevancy to LEED and other green building programs. Wood is the most energy-efficient and environmentally friendly building material, and compare it to steel and concrete. Importance of forests on sequestering carbon.

HIGH PERFORMANCE GLAZING SYSTEMS  |  1 Credit HSW

- Understand the basic function of curtain wall systems.
- Identify curtain wall systems by functionality.
- Discuss performance attributes and requirements.
- Review the impact of design characteristics on structural elements.

THE SEEDS OF SUSTAINABILITY  |  1 Credit HSW

- Review wood as a natural resource as well as resource management practices that protect ecosystems.
- Address sustainable manufacturing standards to meet code compliance, maintain workplace safety, and the relevance to green building programs.
- Discuss how wood, mass timber, & wood by-product building materials benefit design intent, performance requirements, and occupant health.
- Explore how wood materials increase building performance, improve efficiencies, and the positive impact for our rapidly changing planet.