

## Credit Information

### 2021 IRC Update for Utah

This webinar is open to the public and offers 7.0 professional education hours/PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in Utah.

The American Institute of Architects Continuing Education System has approved this program for 7.0 LU|HSW (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

The International Code Council has approved this activity for .7 CEUs in the specialty area of Building.

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

### Utah Stormwater Best Management Practices

This webinar is open to the public and offers 7.0 professional education hours/PDHs to professional engineers, 7.0 HSW continuing education hours to architects, and 7.0 HSW CE Hours to landscape architects licensed in Utah.

The American Institute of Architects Continuing Education System has approved this program for 7.0 LU|HSW (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

Engineers, architects and landscape architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility. HalfMoon Education is not seeking landscape architect approval in Florida, New Jersey, or North Carolina.

The International Code Council has approved HalfMoon Education as a sponsor of continuing education (Preferred Provider No. 1232). Course approval is pending. Visit this course listing at [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for updates on this credit.

The Association of State Floodplain Managers has approved this event for 7.0 CECs for Certified Floodplain Managers.

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

### Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit. Self-study packages do not qualify for AIA or LA CES credit.

## Live, Interactive Webinars

- 2021 IRC Update for Utah

- Utah Stormwater Best Management Practices

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## Live, Interactive Webinars

### 2021 IRC Update for Utah

- Wednesday, December 8, 2021 | 8:30 am - 5:00 pm MST

### Utah Stormwater Best Management Practices

- Tuesday, December 14, 2021 | 8:30 am - 5:00 pm MST

To register, view detailed presenter biographies,  
and see other learning opportunities, please visit:

[www.halfmoonseminars.org](http://www.halfmoonseminars.org)

or call our Customer Service Department at (715) 835-5900



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### Utah Stormwater Best Management Practices

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Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours  
AIA: 7.0 LU|HSW Landscape Architects: 7.0 HSW CE Hours  
LA CES: 7.0 HSW PDHs Floodplain Managers: 7.0 ASFPM CECs  
International Code Council: Pending

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# 2021 IRC Update for Utah

Wednesday, December 8, 2021 | 8:30 am - 5:00 pm MST (incl. a 60-min break)

**Tuition:** \$289 per registrant, \$239 per registrant for three or more

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AIA: 7.0 LU|HSW International Code Council: .7 CEUs (Building)

## Agenda

### Introduction

- Course overview
- Adoption and enforcement of 2021 International Residential Code in Utah
- Overview of general state amendments
- Administrative Changes (Chapter 1)
- Definitions (Chapter 2)
- Code Criteria (IRC R301)

### Building Planning and Framing (Chapters 3 - 5)

- Townhouses and duplexes
- Fire protection and separation
- Safety glazing
- Egress, alarms, accessibility
- Mezzanines and habitable attics
- Decks
- Emergency escape and rescue
- Storm shelters and solar
- Foundations and floor framing

### Shell Construction (Chapters 6 -9)

- Wall framing
- Wall coverings
- Roof framing and assemblies
- Braced walls
- Soffits

### Mechanical, Electrical and Plumbing

- Cooking appliances and exhaust
- Hydronic piping
- Fuel gas bonding and shutoff
- Bathtub and showers
- Hot water piping
- Pipe fittings
- Non-potable and reclaimed water systems
- Electrical services
- Receptacle and branch circuit requirements
- GFCI
- Appendixes (Tiny Houses, Radon, 3D printed)

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LA CES: 7.0 HSW PDHs Floodplain Managers: 7.0 ASFPD CECs  
International Code Council: Pending

## Agenda

### Selecting Stormwater Best Management Practices in Utah

- Utah state and local regulations
- System sizing and design
- Selection criteria
- Site topography, hydrology and soils
- System performance

### Reducing Site Disturbance and Increasing Natural Landscaping

- Benefits of natural landscaping
- Cost considerations and maintenance
- Choosing native species for plantings

### Permeable Pavers

- Site criteria and product selection
- Cost considerations and maintenance
- Preparation and installation

### Vegetated Roofs

- Benefits and life cycle cost
- Intensive roofs
- Extensive roofs
- Maintenance

### Rain Barrels, Cisterns and Rain Gardens

- Stormwater collection
- Reuse
- Cost considerations
- Water storage
- Garden sizing and design

### Filter Strips and Drainage Swales

- Benefits and design considerations
- Choosing appropriate vegetation
- Cost considerations and maintenance

### Detention Basins and Ponds

- Benefits and site selection
- Choosing native vegetation
- Sizing and design
- Maintenance considerations

### Stormwater Best Management Case Studies

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# Faculty

## 2021 IRC Update for Utah

**Todd Snider, PE, SE, CBO** *West Coast Code Consultants, Inc.*

Mr. Snider is a licensed structural engineer in multiple states, an ICC certified building official and a certified building, mechanical, energy, and accessibility plans examiner. He received his Master's degree from the University of Utah in Civil and Environmental Engineering and has years of experience in the structural design of a variety of building types. He currently serves as West Coast Code Consultants' Utah Regional Manager, and leads his team with a strong focus on quality and service to jurisdictional clients. His expertise is frequently sought out as an approved ICC instructor and Mr. Snider is regularly invited to teach code classes to building official, design professional, and contractor organizations throughout the United States. He is fascinated by code and its various aspects, and he enjoys sharing his knowledge with others as they seek to establish safe and healthy communities for their citizens.

## Utah Stormwater Best Management Practices

**Lars Anderson, ASLA**

*Landscape Architect/Environmental Manager at Project Engineering Consultants*  
Mr. Anderson has 23 years of experience as a both a landscape architect and environmental manager. Starting his career with UDOT, he was first introduced to stormwater management on the Provo Canyon expansion project in 1998. UDOT was being sued and Mr. Anderson was designated as the compliance officer for the environmental impacts resulting from the project. That project propelled him into developing the environmental control supervisors course required by UDOT for all contractors working on state or federally funded projects. Joining PEC in 2006, Mr. Anderson has continued to teach and consult in storm water management. In 2015 PEC developed the low-impact development standards for Spanish Fork City, the first City in Utah to develop such standards. Since then, Mr. Anderson continues to teach about stormwater management for continuing education credits and continues implementing low-impact development standards in municipal and private projects. He received his B.S. degree in Environmental Science from Brigham Young University and his M.L.A. degree in Landscape Architecture from Utah State University.

# Additional Learning

## Handling Ethical Issues in Professional Engineering Practice

- Wed, Nov 3, 2021 | 3:00 - 4:00 pm CDT

## Unreinforced Slope Stability Analysis

- Wed, Nov 3, 2021 | 10:00 am - 12:00 pm CDT

## Drone-Based Inspection and Maintenance

- Fri, Nov 4, 2021 | 8:30 am - 4:30 pm CDT

## IRC Significant Changes - Chapters 1-10

- Fri, Nov 5, 2021 | 11:00 am - 3:30 pm CDT

## Moisture Control in Buildings: Designing, Constructing and Remodeling for Wet Weather

- Fri, Nov 5, 2021 | 8:30 am - 4:30 pm CDT

## Engineering Project Management

- Mon, Nov 8, 2021 | 8:30 am - 5:00 pm CST

## National Electrical Code 2020: Grounding and Bonding

- Wed, Nov 10, 2021 | 8:30 am - 5:00 pm CST

## HVAC Primer for Design Professionals

- Fri, Nov 12, 2021 | 8:30 am - 4:30 pm CST

## Stream Restoration for Design Professionals

- Fri, Nov 12, 2021 | 9:00 am - 4:30 pm CST

## The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

- Tues, Nov 16, 2021 | 9:00 am - 4:30 pm CST

## Introduction to HEC-RAS Modeling

- Tues, Nov 16, 2021 | 8:30 am - 5:00 pm CST

## Industrial Stormwater Management

- Fri, Nov 19, 2021 | 9:00 am - 4:00 pm CST

For more information and other online learning opportunities visit: [www.halfmoonseminars.org](http://www.halfmoonseminars.org)