

Agenda

Presented by Brad Cook

What is a Tiny House?

- Defining “tiny house”
- Types and general features
 - On/off grid
 - Trailer or foundation
 - Climate

Legal Considerations

- Zoning issues
- Building and energy codes
- Insurance
- Certification: NOAH, RVIA, PWA-TH

Tiny House Structure

- Building science basics
 - The four barriers
 - Thermodynamics
 - Moisture and the dew point
- Trailers and foundations
- Framing
- Windows and doors
- Finishes

Tiny House Mechanicals

- Electricals
- Potable water
- Drain-waste-vent and septic
- Heating and ventilation

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Tiny House Design and Construction

Live, Interactive Webinar - Wednesday, February 7, 2024

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HalfMoon Education Inc.
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Learning Objectives

You’ll be able to:

Explore types of tiny houses and their common features.

Learn about constructing tiny houses on trailers and on foundations.

Comply with building and energy codes, and explore tiny house certifications.

Create energy-efficient tiny house envelopes, and get tips on windows, doors and finishes.

Get tips on installing electrical systems, water supply systems and HVAC equipment.



HalfMoon Education Live Webinars

Tiny House Design and Construction

Live, Interactive Webinar - Wednesday, February 7, 2024



Explore types and general features of tiny houses

Learn about legal considerations including zoning and building/energy code issues

Study the tiny house structure including building science basics, trailers and foundations

Examine tiny house mechanicals such as electrical issues

Discuss potable water, heating and ventilation

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

AIA

7.0 HSW LUs

International Code Council

.7 CEUs (Building)

AIA
Continuing
Education
Provider



Webinar Information

Log into Webinar

8:30 - 9:00 am CST

Break

12:00 - 12:45 pm CST

Morning Session

9:00 am - 12:00 pm CST

Afternoon Session

12:45 - 5:15 pm CST

Tuition
\$319 for individual registration.
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Faculty

Brad Cook is the owner of Building Performance Services LLC, a BPI certified home performance contracting company that provides energy assessments and comprehensive weatherization for homes and businesses. Since 2017, he has also served as the facilities manager and an instructor at Yestermorrow Design/Build School where he has taught on a variety of topics, including HVAC, plumbing, building envelopes, and tiny house design and construction. Brad has extensive experience in education, including serving as a project director and instructor at Yestermorrow from 1986 to 1992 when where taught courses on construction, energy, plumbing, safety, and other subjects. Prior to running BPS, he owned and operated a home repair and inspection business for many years. Brad has continued to develop his skills by training in Infrared thermography level I, residential ventilation, heat pumps, and alternative heating strategies.

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
7.0 HSW LUs (AIA)

Additional Learning

Engineering Ethics and Consequences
- Wednesday, January 10, 2024 | 1:00 - 2:00 pm CST

Structural Forensic Engineering of Buildings
- Wednesday, January 10, 2024 | 8:30 am - 4:30 pm CST

How to Design Sustainable Exterior Lighting
- Wednesday, January 10, 2024 | 1:00 - 3:00 pm CST

Residential and Small Commercial Roof Design and Construction
- Thursday, January 11, 2024 | 9:00 am - 4:30 pm CST

Retaining Wall Design and Slope Stabilization Techniques
- Thursday, January 11, 2024 | 8:30 am - 4:15 pm CST

Carbon Credits and Carbon Markets Defined
- Friday, January 12, 2024 | 10:00 am - 12:00 pm CST

Design and Construction on Expansive Soils
- Tuesday, January 16, 2024 | 9:00 am - 4:00 pm CST

Residential Space Heating Options: Design and Installation
- Wednesday, January 17, 2024 | 9:00 am - 4:00 pm CST

2021 International Residential Code: Structural Construction
- Tuesday, January 23, 2024 | 12:00 - 4:30 pm CST

AIA Contract Document Workshop
- Tuesday, January 23, 2024 | 8:30 am - 4:30 pm CST

Building Classification, Occupancy and Mixed Occupancies
- Wednesday, January 24, 2024 | 9:00 am - 4:00 pm CDT

Cold-Climate Heat Pumps: Dos and Don'ts
- Wednesday, January 24, 2024 | 10:00 am - 12:00 pm CST

Adaptive Residential Use of Commercial Buildings
- Thursday, January 25, 2024 | 9:30 am - 4:25 pm CST

Cold-Formed Steel Frame Design for Small Commercial Buildings
- Thursday, January 25, 2024 | 8:30 am - 4:30 pm CST

How to Analyze Common Construction Defects and Failures
- Wednesday, January 31, 2024 | 2:00 - 4:00 pm CST

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