

Credit Information

Pavement Design

This live interactive webinar offers 6.5 PDHs/continuing education hours to professional engineers licensed in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). Other states do not preapprove educators or courses.

HalfMoon Education is deemed a New York-approved continuing education provider for engineers via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2).

Course completion certificates will be awarded to participants who complete the webinar in its entirety, respond to all the prompts during the instruction, and earn a score of 80% on the quiz that follows the instruction (multiple attempts allowed).

Construction Cost Estimating

This webinar offers 6.5 PDHs to professional engineers and 6.5 continuing education hours to architects licensed in all states that accept non-HSW coursework.

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The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | Elective (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Administration (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to all 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 credit.

Live, Interactive Webinars

- Pavement Design
- Construction Cost Estimating

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Live, Interactive Webinars

Pavement Design

- Wednesday, August 25, 2021 | 8:30 am - 4:30 pm CDT

Construction Cost Estimating

- Thursday, August 26, 2021 | 8:30 am - 3:50 pm CDT

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

www.halfmoonseminars.org

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



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Pavement Design

Wednesday, August 25, 2021 | 8:30 am - 4:30 pm CDT

Credits: Professional Engineers: 6.5 PDHs in All States



Construction Cost Estimating

Thursday, August 26, 2021 | 8:30 am - 3:50 pm CDT

Credits: Professional Engineers: 6.5 PDHs
Architects: 6.5 Non-HSW CE Hours AIA: 6.5 LU | Elective
International Code Council: .65 CEUs (Administration)

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PREFERRED
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PROVIDER



HalfMoon Education Inc.
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Pavement Design

Wednesday, August 25, 2021 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 6.5 PDHs in All States

Agenda

Principles of Pavement Design

- Goals of pavement design
 - Smooth, stable surface and longevity
- Terminology and basic components
 - Pavement section
 - Asphalt and concrete components
 - Loading
- Consulting guidelines and standards
- Collecting data necessary for design
- Economics and lifecycle analysis

Flexible Pavement Design

- Soil support and subsurface preparation
- Reclamation and recycling
- Mixture content and pavement thickness

Rigid Pavement Design

- Soil support and subsurface preparation
- Mixture content and pavement thickness
- Joint design

Maintenance and Rehabilitation

- Goals
- Distresses
- Preservation techniques
- Rehabilitation practices

Other Pavement Topics

- Pavement drainage
- HMA mix design
- Parking lots/low volume roads.

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Thursday, August 26, 2021 | 8:30 am - 3:50 pm CDT (incl. a 30-min break)

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AIA: 6.5 LU | Elective International Code Council: .65 CEUs (Administration)

Agenda

Producing Different Types of Cost Estimates

- Purposes of and methodologies for cost estimates
- Design estimate Bid estimate
- Control estimate

Construction Estimating Resources and Processes

- Estimating team Estimating process
- Data resources CSI Masterformat

Estimating Labor, Equipment, Overhead and Profit

- Estimating labor costs Estimating for construction equipment costs
- Estimating overhead costs Estimating profit

Estimating Construction Materials and Services

- Earthwork and excavation Pavements
- Concrete structures Wood structures
- Steel structures Masonry
- Floors Roofing
- Interiors Finishes

Estimating Mechanical, Electrical and Plumbing

- Plumbing Electrical systems
- Mechanical systems

Construction Estimating Software

- Review of industry-standard software

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Faculty

Pavement Design

Tyler Dawson, Ph.D., P.E.

Principal Engineer with NTH Consultants, Ltd. in East Lansing, Michigan

Dr. Dawson is in his 10th year as a pavement, geotechnical, and subsurface utility engineer with NTH Consultants, Ltd. (NTH). He has a wide background in pavement research, management, and design. He has completed research projects for the Michigan Department of Transportation (MDOT) and the Federal Highway Administration (FHWA) involving pavement design, material characterization, maintenance, and management. He has participated in and led numerous projects which have included pavement surface and structural evaluations, geotechnical explorations, pavement design, and both short- and long-term pavement management plans. He has also provided expert services for pavement evaluations and litigation involving pavements. Dr. Dawson has also served as a part time instructor for Michigan State University Department of Civil & Environmental Engineering, where he has taught senior and graduate level courses in pavement design and asset management. Dr. Dawson earned his B.S. degree, M.S. degree and Ph.D. degree from Michigan State University.

Construction Cost Estimating

Daniel R. Davenport has 40 years of experience in the construction of schools, hospitals, chemical plants, laboratories, manufacturing facilities, parking garages, warehouses and office buildings. He has experience in many phases of construction including estimating, design-build, scheduling, purchasing, project management, supervision, training, and productivity. Since 2009 when he took early retirement from McCarthy Building Companies in St. Louis, Missouri, Mr. Davenport has worked for number of commercial builders as an independent contractor providing estimating and project management. He has worked for Turner Construction and Hercules Construction in St. Louis from 1979 to 1995. Mr. Davenport completed an apprenticeship with the Carpenters' District Council of St. Louis in 1982 and worked in the trades until 1985. He has has bachelor degrees in Construction Management from Washington University (1984) and in Psychology from Maryville University in St. Louis (1974). Mr. Davenport has been a member of the American Society of Professional Estimators where he has served as a member of the National Board of Directors. He served on the Education Committee, the Awards Committee, as well as the By-Laws Committee. Mr. Davenport also participated in leadership positions at the local ASPE St. Louis Metro Chapter 19. He achieved his CPE (Certified Professional Estimator) in 1995. Mr. Davenport is passionate about construction, especially estimating. He is excited about sharing his knowledge. Mr. Davenport is open to learning new and better estimating and building systems and methods to improve himself and others.

Additional Learning

Site Design

- Mon, July 26, 2021 | 8:30 am - 5:00 pm CDT

Project Management for Engineers

- Wed, July 28, 2021 | 8:30 am - 4:30 pm CDT

Reading, Interpreting and Writing Land Descriptions Workshops

- Wed, July 28, 2021 | 9:00 am - 4:00 pm CDT

Slope Stabilization and Landslide Prevention

- Tues, Aug 3, 2021 | 8:30 am - 5:00 pm CDT

International Existing Building Code 2021

- Thurs, Aug 5, 2021 | 9:00 am - 4:30 pm CDT

Introduction to GNSS Surveying

- Thurs, Aug 5, 2021 | 10:30 am - 2:30 pm CDT
- Fri, Aug 6, 2021 | 10:30 am - 2:30 pm CDT

Shallow Foundation Design, Construction, and Repair

- Tues, Aug 10, 2021 | 8:30 am - 5:00 pm CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org