

Agenda

Presented by Daniel R. Davenport

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

Using Construction Estimating Software

Review of industry-standard software

Construction Cost Estimating
St. Louis, MO - Wednesday, November 28, 2018

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Learning Objectives

You'll be able to:

Analyze the methodologies for creating design estimates, bid estimates and control estimates.

Examine estimating resources, including the estimating team, data resources and CSI Masterformat.

Estimate labor costs, construction equipment costs, overhead costs and profit.

Calculate costs of earthwork, pavements, concrete, steel, roofing, interiors, plumbing and electrical systems.

Estimate mechanical, electric and plumbing systems.

Review industry standard estimating software.



Construction Cost Estimating

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Discuss the production of design estimates, bid estimates and control estimates

Review construction estimating resources and processes

Estimate labor, construction equipment, overhead and profit

Prepare take-offs for earthwork, pavement, concrete, wood, steel, floors and roofing

Explore construction estimating software

Continuing Education Credits

Architects

6.5 HSW CEUs/CE Hours
6.5 AIA HSW Learning Units

Professional Engineers

6.5 PDHs

Contractors

Non-Credit Continuing Ed.



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Daniel R. Davenport
Mr. Davenport has almost 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 a number of commercial builders as an independent contractor providing estimating and project management. He is currently closing out projects for the Lindbergh School District’s \$34 million bond issue. This was his second time working for the school district as capital projects supervisor. Mr. Davenport has worked for Turner Construction and Hercules Construction in St. Louis from 1979 to 1995. He completed an apprenticeship with the Carpenters’ District Council of St. Louis in 1982 and worked in the trades until 1985. Mr. Davenport has bachelor degrees in Construction Management from Washington University (1984) and in Psychology from Maryville University in St. Louis (1974). He has been a member of the American Society of Professional Estimators where he has served as a member of the National Board of Directors. Mr. Davenport served on the Education Committee, the Awards Committee, as well as the By-Laws Committee. He also participated in leadership positions at the local ASPE St. Louis Metro Chapter 19. Mr. Davenport achieved his CPE (Certified Professional Estimator) in 1995.

He and his wife Cynthia have been married for 44 years. Their children, Marisa and Daniel, are both married and live in the St. Louis area. They have three grandchildren who keep them very busy. In his free time he remodels not only his residence but also his children’s homes.

Seminar Information

Holiday Inn Forest Park	Registration	Lunch (On your own)
5915 Wilson Avenue	8:00 - 8:30 am	12:00 - 1:00 pm
St. Louis, MO 63110	Morning Session	Afternoon Session
(314) 645-0700	8:30 am - 12:00 pm	1:00 - 4:30 pm

Tuition

\$279 for individual registration
\$259 for three or more simultaneous registrations.
Included with your registration: Complimentary continental breakfast and printed seminar manual.
Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

- How to Register**
- Visit us online at www.halfmoonseminars.org
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Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.



Webinar Series

- HEC-RAS Webinar Series**
- **Hydraulic Principles and Applications**
Thurs., Oct. 18, 2018, 11:00 AM - 1:00 PM CDT
 - **Working with the HEC-RAS User Interface**
Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
 - **Water Surface Profiling**
Fri., Oct. 19, 2018, 11:00 AM - 1:00 PM CDT
 - **Steady Flow Surface Profile Demonstrations**
Fri., Oct. 19, 2018, 1:30 - 3:30 PM CDT

- Construction Cost Estimating**
- **Introduction to Cost Estimating**
Thurs., Oct. 25, 2018, 11:00 AM - 12:30 PM CDT
 - **Cost Components – A Closer Look at the Estimates**
Thurs., Oct. 25, 2018, 1:00 - 3:00 PM CDT
 - **Cost Estimate Organization and Examples**
Fri., Oct. 26, 2018, 11:00 AM - 1:00 PM CDT
 - **Cost Estimating Topics**
Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to engineers in all states and 6.5 HSW CEUs/continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to preapproval in Missouri.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is deemed an approved continuing education sponsor for New York architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity for mandatory continuing education credit.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

- Geothermal Heating and Cooling**
- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
 - **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
 - **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
 - **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT

- Cogeneration System Principles and Practice**
- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
 - **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
 - **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
 - **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
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Complete the entire form. Attach duplicates if necessary.	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
	() I need special accommodations. Please contact me.

Tuition
() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
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