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.

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.
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 $54 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 Herculies 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 in St. Louis, Missouri and Psychology from Maryville University in St. Louis, Missouri. 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 ремodels not only his residence but also his children's homes.

For availability and job description, please visit www.halfmoonseminars.org

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Additional Learning

Constrution Cost Estimating

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 - 5:00 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 - 5:30 PM CDT

Construction Cost Estimating

• Introduction to Cost Estimating
  Thurs., Oct. 25, 2018, 11:00 AM - 1:20 PM CDT

• Cost Components - A Closer Look at the Estimates
  Thurs., Oct. 25, 2018, 1:30 - 5:00 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 - 5:00 PM CDT

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

Cotegoration System Principles and Practice

Understanding the Benefits of Cogeneration

Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CDT

• Laws, Regulations and Building Codes
  Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CDT

• Examining Cogeneration Technologies
  Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CDT

• Moving to Cogeneration: Analysis, Modeling and Case Studies
  Fri., Nov. 9, 2018, 1:00 - 2:30 PM CDT

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