

Agenda

Presented by S. Bobby Rauf, PE, CEM, MBA

Project Management Overview

Design and construction process
Project phases - project mapping and flow
Phased implementation of long multi-segmented projects
Contracts and agreements
Project teams organization and transactional protocols
Project manager skills, best practices and responsibilities

Project Procurement and Development

Defining the project
Project scope and functional specification development
Project design specifications
Design drawings and drawing review

Project Estimating and Budgeting

Development of long lead estimates and long lead funding
Funding requests
Project life cycle cost and basic financial analysis
Bids/proposals, pre-bid meeting, bid selection and purchase order

Work Plan Development and Management

Pre-mobilization transfer of drawings, specifications and safety information
Project planning, control, implementation, and resource management
Project schedule development
Project management – progress monitoring, cost control and safety
Scope changes and change orders

Construction Phase

Construction and project implementation phase best practices
Receive equipment, material, tools, equipment and supplies for installation
Safety during construction phase
Factory testing – AKA: factory acceptance test

Project Close-Out and Turn-Over

On-site system testing
Final risk assessment
Guarantees, warranties, spare parts, supplies, as-built drawings and software
Production, plant engineering and plant maintenance training
Project start-up and commissioning and closure
Ancillary – core technical topics for most large projects

Engineering Project Management
Columbia, SC - Thursday, August 30, 2018

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Learning Objectives

You'll be able to:

Identify project phases for simple projects and for long-term, multi-segmented projects.

Define project scope and assemble project teams.

Work on funding requests and implement bid processes.

Develop project schedules and cost control practices.

Establish safety procedures and conduct on-site system testing.



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Identify project phases and assemble project teams

Define project scope and develop design specifications

Get tips on estimating and budgeting

Develop schedules and control costs

Focus on implementation and testing

Continuing Education Credits

This course offer professional engineers 7.0 PDHs.



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Faculty

Bobby Rauf – S. Bobby Rauf, PE, CEM, MBA *President, chief consultant and a senior instructor at Sem-Train, LLC.*

Mr. Rauf has over 25 years of experience in teaching undergraduate and post graduate engineering, science, math, business administration and MBA courses, seminars and workshops. Mr. Rauf earned his BS degree in Electrical Engineering, with honors, from North Carolina State University in Raleigh, North Carolina. He earned his executive MBA degree from Pfeiffer University in Misenheimer, North Carolina. Mr. Rauf is a registered professional engineer (PE) in the State of North Carolina, and he is a certified energy manager.

Mr. Rauf was previously employed with PPG Industries, Inc. where he served as a senior staff engineer. During his long career at PPG, his responsibilities included development and management of energy and ergonomics programs for multiple manufacturing plants in the US and overseas. He also provided consultation and training services in energy, electrical engineering, industrial safety, ergonomics and the arc flash arena. His extensive engineering experience includes power design, control system design, project management, process management, energy and utilities management, energy audits/assessments, plant maintenance, robotics, manufacturing automation, HVAC audits, and design of ergonomic equipment.

Seminar Information

Columbia Marriott
1200 Hampton Street
Columbia, SC 29201
(803) 771-7000

Tuition

\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a 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.

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- Call customer service at 715-835-5900

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Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers in all states. Educators and courses are not subject to preapproval in South Carolina.

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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.

Additional Learning

Webinar Series

AutoCAD 3D

- **Using Key Commands and Tools**
Part I: Wed., July 11, 2018, 11:00 AM - 2:15 PM CDT
Part II: Thurs., July 12, 2018, 11:00 AM - 2:15 PM CDT
- **Building a Solid Model**
Part I: Wed., July 18, 2018, 11:00 AM - 2:15 PM CDT
Part II: Thurs., July 19, 2018, 11:00 AM - 2:15 PM CDT

Septic Systems Series

- **Onsite Wastewater Treatment Technologies, Regulations and Contaminant Removal**
Thurs., July 19, 2018, 11:00 AM - 12:30 PM CDT
- **Evaluating Sites, Setting Treatment Goals and System Design**
Thurs., July 19, 2018, 1:00 - 2:30 PM CDT
- **Alternative and Sustainable Treatment Technologies**
Fri., July 20, 2018, 11:00 AM - 12:30 PM CDT
- **Management Programs for Onsite Wastewater Treatment Systems**
Fri., July 20, 2018, 1:00 - 2:30 PM CDT

Retaining Walls and Slope Stabilization

- **Retaining Wall Basics**
Thurs., July 26, 2018, 11:00 AM - 12:00 PM CDT
- **Geosynthetics and Retaining Walls**
Thurs., July 26, 2018, 12:30 - 3:00 PM CDT
- **Slope Stability and Geosynthetics**
Fri., July 27, 2018, 11:00 AM - 12:30 PM CDT
- **Slope and Retaining Wall Failures, Fixes and Prevention**
Fri., July 27, 2018, 1:00 - 3:00 PM CDT

National Electrical Code

- **National Electrical Code, Part I**
Tues., July 24, 2018, 11:00 AM - 3:30 PM CDT
- **National Electrical Code, Part II**
Weds., July 25, 2018, 11:00 AM - 3:30 PM CDT
- **National Electrical Code, Part III**
Thurs., July 26, 2018, 11:00 AM - 3:30 PM CDT

For more information visit:
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Registration

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How to Register	Registrant Information
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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. () I am not attending. Please send me the CD manual package for \$289.00 . (S&H included. Please allow five weeks from seminar date for delivery)
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