

PDH WEBINAR SELF-STUDY PROGRAM CDS

ACEC New York has the following webinar archives in our course library. Each self-study package contains: a CD that contains an audio/video file from the webinar, the PowerPoint handout (printed and electronic versions), and a 10-question quiz. Please see page 3 for pricing and order/payment form. Each course includes administration of one quiz. If other licensees at your same location would like to utilize the course for PDH credits, you may pre-purchase additional tests in advance or by completion of an “additional tests payment form” that will be included with each package. For each successfully completed course determined by a score of 70% or greater on the quiz, a certificate of completion will be sent by e-mail to the licensee. If you participated in the LIVE webinar, you will not be able to earn credits for the self-study course. New York Professional Engineers may earn 18 self-study credits during each 3-year registration period.

Available Self-Study Courses

2.0 PDH Credits (120 minute courses)

Green Building Sustainable Design: Review an introduction to Green Building concepts, and become more informed on USGBC/LEED involvement. What is “Green Building”?
Course #371ss

Transportation Structures Exposed: This presentation covers all types of transportation structures dealing with efficiency, performance and historical use.
Course #389ss

Mold 101: Explore the introduction into the world of mold. What is mold? Which species of mold are considered “toxic”?
Course #391ss

Hydronic System Basics+ : Review the basics to the hydronic design process. Become more comfortable making decisions concerning pump choice based on the dynamics of systems such as condenser, hot and chill water distribution.
Course #406ss

Building information modeling, Changing the Way we think About Project Roles and Responsibilities: This program describes BIM and how it functions. It will discuss its pros and cons in terms of how it affects project roles and responsibilities, how it changes the review process, and legal, licensing or practice implications and restrictions with regard to BIM.
Course #430ss

Energy Recovery-Commercial and Institutional Comfort Applications: This presentation provides fundamental understanding of Energy Recovery applications. Attendees will be more confident with designs utilizing Energy Recovery.
Course #501ss

Green Building in New York State: This presentation defines green buildings and LEED, the US Green Building Council's rating system. The talk describes the market for green buildings, explain how engineers can prepare themselves to provide services to this market and discuss technical and financial assistance available from NYSERDA.
Course #509ss

Ventilation in High Risk Buildings: This presentation provides an understanding of ASHRAE Standard 62 and NYC ventilation requirements for toilet and kitchen exhaust, NYSERDA incentives available when updating existing ventilation systems and a variety of methods for supplying make up air. The presentation also includes information on the pressure differences in high rise buildings as a result of Stack Effect and the new technology available for sealing exhaust riser leakage.
Course #649ss

Primary/Secondary/Tertiary Pumping Systems: The theory and applications of the “Law of Tee” to primary/secondary/tertiary pumping systems will be demonstrated. In addition, this theory and application will be expanded to demonstrate multi temperature pumping loops, pumping energy savings and how constant volume and variable volume pumping system can co-exist in primary/secondary/tertiary pumping systems.
Course #531ss

IBC 2006 Fire and Life Safety: The International Building Code (IBC) is the foundation for New York State Building Code as well as many other jurisdictions in the United States. This seminar focuses on Life and Fire Safety fundamentals of facility design, with emphasis on IBC Chapters 1 thru 11. The presentation covers IBC definitions such as Building Area and Fire Area, and review requirements for developing a building code analysis.
Course #887ss

Available Self-Study Courses (continued)

1.5 PDH Credits (90 minute courses)

Low Impact Development - Site Stabilization Tool Box: Low Impact Development (LID) provides an approach to site design that is rapidly gaining the attention of everyone interested in responsible growth and development. The tools and techniques associated with LID can help developers produce site plans that can hold storm water runoff at historic levels. This course is designed to familiarize participants with techniques that can reduce construction and municipal maintenance costs while increasing property values. The course compares and contrasts traditional practices with innovative methods that represent the future of land management and development. The main goal of this session will be to provide information that is immediately useful to all participants. *Course #761ss*

Advances in Tunneling Technologies in the US and the World: The presentation covers subjects such as state-of-the-art in rock tunneling, soft ground tunneling, mechanized excavation, tunnel boring machines and New Austrian Tunneling method will be discussed. The presentation also covers environmental and logistical issues associated with tunnel construction such as impact on groundwater regimes, impact on contaminated ground and groundwater, and muck disposal. Examples from projects in New York, US, and around the world will be presented. *Course #949ss*

Ethics for Design Professionals: Participants will learn: definitions of ethics, fundamental canons of professional Codes of Ethics, discuss case studies, and understand how companies apply ethics to sound business practices. *Course #889ss*

Geotechnical Instrumentation for Urban Underground: The intent of this course is to provide an overview of the applications and benefits of geotechnical instrumentation in underground civil engineering projects. Special emphasis will be given to the instrumentation used in an urban environment. A discussion of recent technologies advancements and example projects will be included. *Course #901ss*
Note: Course available for shipping after March 1st

Rebuilding America's Roadways: America's roadway system has developed rapidly over the past two hundred plus years, and the demands we place on these systems continue to intensify. This workshop will examine new and emerging technology relative to highway construction, drainage and storm water management. *Course #1054ss*
Note: Course available for shipping after March 29th

1.0 PDH Credits (60 minute courses)

Bridge Inspection Practices: This training presents the history of bridge inspections, failures, development of federal codes and regulations, bridge inspection nomenclature, example bridge inspections, access equipment, reports, qualifications of team, recent legislation. *Course #675ss*

Engineering Future Highway / Bridge Revenue: The gas tax was originally designed as a user fee. However, in today's day and age, the gas tax as we know it is not sustainable. This presentation will discuss the Vehicle Miles Driven Fee concept and review the differences in two approaches being looked at: 1) the Oregon VMT and 2) the Kasphe Area in Europe. *Course #687ss*

Construction Vibrations: Overview of vibration basics, ground motion, peak particle velocity, and the significance of frequency. It includes a review of the NYSDOT requirements, portable seismograph equipment and the key elements of vibration monitoring specifications. *Course #863ss*

Geothermal Heat Pump Systems – Design Considerations: To provide engineers with an education about geothermal heat pump systems. The course will provide an overview of system and design considerations. *Course #909ss*

BIM for Bosses BIM for Bosses is designed to explain the end goal of using BIM in your firm, the processes needed for a seamless implementation, and the hard facts in getting there. As importantly, "bosses" will be given a realistic view of what to expect, and what not to expect, once BIM is up and running. *Course #1055ss*
Note: Course available for shipping after April 26th

ORDER FORM FOR SELF-STUDY PROGRAM CDS

PRICING: 2.0 PDH Courses:

ACEC New York Members: \$95.00 includes 1 test (\$25 for additional tests)

Non-Members: \$145.00 includes 1 test (\$70 for additional tests)

1.5 PDH Courses:

ACEC New York Members: \$85.00 includes 1 test (\$25 for additional tests)

Non-Members: \$125.00 includes 1 test (\$70 for additional tests)

1.0 PDH Courses:

ACEC New York Members: \$75.00 includes 1 test (\$25 for additional tests)

Non-Members: \$100.00 includes 1 test (\$70 for additional tests)

2.0 PDH Courses (indicate selections)	# of Addt'l Tests
<input type="checkbox"/> Green Building Sustainable Design	
<input type="checkbox"/> Transportation Structures Exposed	
<input type="checkbox"/> Mold 101	
<input type="checkbox"/> Hydronic System Basics +	
<input type="checkbox"/> BIM: Changing the Way We Think About Project Roles and Responsibilities	
<input type="checkbox"/> Energy Recovery – Commercial and Institutional Comfort Applications	
<input type="checkbox"/> Green Building in New York State	
<input type="checkbox"/> Ventilation in High Rise Buildings	
<input type="checkbox"/> Primary/Secondary/Tertiary Pumping Systems	
<input type="checkbox"/> IBC 2006 Fire and Life Safety	

1.5 PDH Courses (indicate selections)	# of Addt'l Tests
<input type="checkbox"/> Low Impact Development – Site Stabilization Tool Box	
<input type="checkbox"/> Advances in Tunneling Technologies in the US and the World	
<input type="checkbox"/> Ethics for Design Professionals	
<input type="checkbox"/> Geotechnical Instrumentation for Urban Underground <i>Course available for shipping after March 1st</i>	
<input type="checkbox"/> Rebuilding America's Roadways <i>Course available for shipping after March 29th</i>	

1.0 PDH Courses (indicate selections)	# of Addt'l Tests
<input type="checkbox"/> Bridge Inspection Practices	
<input type="checkbox"/> Engineering Future Highway / Bridge Revenue	
<input type="checkbox"/> Construction Vibrations	
<input type="checkbox"/> Geothermal Heat Pump Systems – Design Considerations	
<input type="checkbox"/> BIM for Bosses <i>Course available for shipping after April 26th</i>	

ORDER TOTALS

_____ Total # of 2.0 PDH Courses
 x \$95.00 (member) = _____
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For optional **RUSH** processing, please add \$15.00 above and your order will be shipped within 3 business days of receipt of payment

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