



SESCO
LIGHTING

CONTINUING
EDUCATION
2025



CONTINUING EDUCATION

AIA CERTIFIED

FOR 1 CEU & 1 HSW

SESCO COURSE #:

AIA

COURSE

SESCO COURSE

OFFERINGS

03	SES52	Outdoor Lighting Pt. 1 – The Science
04	SES32	Lighting and Life Safety
05	SES55	Outdoor Lighting Pt. II – The Art
08C	SES54	The IECC Energy Code -2018
08F	SES51	ANSI/ASHRAE/ IES Standard 90.1 -2016
10	SES31	Sustainable Lighting Design for Interiors
17	SES41	What is Theatrical Lighting?
18	SES42	An Overview of Light Technology for Biological Disinfection
19	SES50	The Importance of Natural Light and Artificial Lighting Systems in Trauma Informed Design
20	SES53	Mastering Led Sports Lighting

AIA Certified for 1 LU:

15	SES56	The Real World of How the Bid Process Works
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**AIA CERTIFIED
FOR 1 CEU & 1 HSW:****COURSES DEVELOPED WITH OUR
MANUFACTURING PARTNERS**

Finelite ABL100	Designing with Acoustics for a Better Working Environment in the Age of Open Space Planning
Landscape Forms AIALDOMEI101	Lighting Design in the Outdoors & Minimization of Environmental Impacts
Legrand BCS102-1	Making Controls Occupant Friendly
Signify #28	The C-Change in Outdoor Lighting: Comfort, Control and Community
Signify #29	Energy Codes: A Facilities Perspective
Signify #31	Lighting for Vertical Surfaces and LED Technology
Signify #34	Lighting WELL: Lighting and the WELL Building Standard

AIA CERTIFIED FOR 1 CEU :

Signify #40	Dynamic Lighting for Facades
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SESCO is committed to enhancing the ongoing professional development of building industry pros through high-quality continuing education programs.

SESCO CEU COURSE OFFERINGS

AIA Certified for 1 CEU and 1 HSW credit

03 | SES52 Outdoor Lighting Part 1 – The Science

A two-part discussion on blending science and art to achieve successful outdoor lighting design. Part 1 emphasizes the technical issues that design professionals need to understand in order to produce efficient, beautiful yet sustainable exterior lighting.

04 | SES43 Lighting and the Life Safety

The life safety requirements regarding emergency egress lighting and exit sign lighting. The lecture concentrates on the NFPA 101 – Life Safety Code – Chapter 7.

05 | SES55 Outdoor Lighting Part 2 – The Art

A two-part discussion on blending science and art to achieve successful outdoor lighting design. Part 2 explores the artistic elements that design professionals need to consider when designing exterior lighting.

08C | SES54 The IECC Energy Code -2018

Attendees will obtain and apply a working knowledge of the 2018 International Energy Conservation Code and will compare and evaluate power limiting requirements and control requirements pertaining to new and existing commercial building lighting. Attendees will also identify and differentiate issues between indoor and exterior lighting requirements pertaining to new and existing commercial building lighting

08F | SES51 ANSI/ASHRAE/IES Standard 90.1 – 2016

A working knowledge of the energy codes pertaining to lighting systems for commercial applications. Includes a discussion on the mandatory interior and exterior lighting power limitations and lighting controls.

10 | SES144 Sustainable Lighting Design for Interior Applications

Starts with a discussion on daylighting. Includes a discussion on the energy codes that apply to interior lighting, the quality issues of lighting design and sustainable lighting alternatives.

17 | SES41 What is Theatrical Lighting?

This course provides a comprehensive overview of theatrical lighting including the various tools, techniques and position used to create dramatic effects on stage. The course will cover traditional and modern lighting technologies, safety requirements and the latest trends in theatrical lighting. Additionally, the course will cover the Americans with Disabilities Act (ADA) requirements for performance spaces to ensure that theater is accessible for all.

SESCO CEU COURSE OFFERINGS

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18 | **SES42 An Overview of Light Technology for Biological Disinfection**

This course provides information regarding the use of Electric Light for biological disinfection and sterilization protocols against viruses and bacteria today and for the future. This presentation examines the science, safety and applications for Ultraviolet Light at 254nm, Far UVC at 222nm and Visible Light Disinfection at 405nm, all technologies that integrate into lighting fixtures to provide disinfection in the built environment. Design professionals are focusing on health, wellness and safety now more than ever as a result of the COVID-19 pandemic. Scientific developments from the lighting community are gathering tremendous attention for their ability to reduce and/or eradicate novel viruses. **IDCEC Certified for 1LU/HSW**

19 | **SES50 The Importance of Natural Light and Artificial Lighting Systems in Trauma Informed Design**

This one-hour course will help clients gain an understanding of what Trauma is and it's short- and long-term effects. It examines Trauma Informed Care and Trauma Informed Design, and the principles and elements of T.I.D.

Attendees will gain an understanding of Why Light and Lighting matter in T.I.D., as well as how we see and how light affects our Circadian Rhythm. Another segment explains Photophobia and its effects on traumatic brain injuries and then it discusses Light and Lighting specific strategies for Trauma Informed Design. This section includes topics such as The Quality of Light, Prioritizing Daylight, Controls, Tunable White Light, Mitigating Glare and other elements which directly aid in the health, safety and wellness of the traumatically injured and their caregivers. **IDCEC Certified for 1LU/HSW**

20 | **SES53 Mastering LED Sports Lighting**

In the rapidly evolving world of Sports facility design, staying at the forefront of lighting technology is crucial. This comprehensive course is designed to provide you with a level of knowledge and skills in this dynamic field. It delves into the intricacies of LED Sports Lighting systems, offering a detailed exploration of the technological advancements, design principles and regulatory requirements that define modern sports lighting. Attendees will gain a deep knowledge of the critical factors that influence lighting performance including energy efficiency, light quality, durability and sustainability. Through a blend of theoretical knowledge and applications, this course equips architects and engineers with the expertise needed to design and implement cutting-edge sports lighting solutions. Whether you are looking to upgrade existing facilities or embark on new projects, this course will provide you with tools to deliver exceptional lighting performance and elevate the athlete and spectator experience.

AIA Certified for 1 CEU

15 | **SES56 The Real World of How the Bid Process Works**

Writing a good lighting specification is only the first step. This CEU is designed to help specifiers fully understand the bid process and how to keep control of their specification. This course helps specifiers add more information to their understanding of the design, construction and supply chain of luminaires in commercial construction projects. Specifiers will learn more about common industry terms specific to the specification and bid process to better understand their implications. Together we list, compare, analyze and evaluate the pros and cons of several lighting specification methods. And, most importantly, we will identify and help the specifier evaluate how to control substitutions to benefit their clients

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AIA Certified for 1 CEU and 1 HSW credit

Finelite
ABL100**Designing with Acoustics for a Better Working
Environment in the Age of Open Space Planning**

The design of tomorrow will increase the use of glass, concrete, exposed ceilings, and other hard surfaces into the built environment. The continued use of these non-sound absorbing elements will present us with acoustical challenges that have direct impacts on occupants' well-being and productivity. This course will dive into modern design and explore the ways architectural acoustics impact the interior environment and the occupants. Learning how to properly identify and specify sound absorbing materials, we will then design an open office and explore the benefits associated with luminaire integration.

Landscape Forms
AIALDOME101**Lighting Design in the Outdoors & Minimization
of Environmental Impacts**

Lighting design in the outdoors needs to take into consideration not only human activities, but also the context of pedestrian spaces, among them the architecture, changes based on day to night, and adjacencies to the space. This CEU will discuss the hierarchy of design elements to consider when lighting outdoor spaces for people and how they live, learn, work, care, play and travel. In addition, it will also explore the varying types of lighting zones, the applications of those zones, and the amount of light to be used within those lighting zones.

Legrand
BCS102-1**Making Controls Occupant Friendly**

This course highlights the best practices for design and commissioning of lighting controls to make spaces occupant friendly. It addresses occupant-centric design of dimmers, sensors and daylight controls. By the end, learners will understand the balance between energy savings goals for the facility and occupant preferences. As the title states, this CEU suggests ways to make lighting controls more occupant friendly for those working in commercial office spaces as well as those maintaining them, all the while meeting or exceeding energy codes and avoiding occupant revolt.

COURSES DEVELOPED IN COOPERATION WITH OUR MANUFACTURING PARTNERS

AIA Certified for 1 CEU and 1 HSW credit

Signify #28 | The C-Change in Outdoor Lighting: Comfort, Control and Community

This course looks at important changes in the application of LED technology to outdoor lighting. We will consider how new optics can enhance the comfort to pedestrians, how new controls are addressing code requirements and energy conservation, and how lighting and product design can influence community safety and environmental quality.

Signify #29 | Energy Codes: A Facilities Perspective

This course reviews key provisions of current energy codes with particular emphasis on controls requirements and tenant fit-out applications. It discusses code terminology using everyday lighting and control terms. It examines how to comply with code and how to calculate Lighting Power Allowances using the 2 prescriptive methods of ASHRAE 90.1, the Building Area Method and the Space-by-Space Method. In addition to the code provisions themselves, we will consider how those provisions are shaping interior lighting design and what may be ahead.

Signify #31 | Lighting for Vertical Surfaces and LED Technology

This course applies LED technology to the lighting of vertical surfaces. The course first looks at a series of applications to show how vertical illumination affects spatial brightness and perception, energy utilization and occupant comfort. We then consider lighting strategies for lighting different surfaces. Finally, we identify appropriate lighting equipment for each approach and offer guidelines for locating luminaires for effective vertical illumination.

Signify #34 | Lighting WELL: Lighting and the WELL Building Standard

The Well Building Standard endeavors to provide an evidence-based process to validate an approach to design for environmental health and well-being. This course explores methods to achieve health and well-being in the Light Concept of the 2019 Well Building Standard version

2.0 as it pertains to both electric and daylighting sources. The Well Light Concept promotes exposure to light and aims to create lighting environments that are optimal for visual, mental and biological health. Discover how the Standard supports circadian stimulus, hormone levels and sleep-wake cycles of occupants derived through scientific and medical knowledge to promote alertness, better performance and better sleep quality while potentially reducing obesity, diabetes, depression, breast cancer, sleep disorders and more.

AIA Certified for 1 LU

Signify #40 | Dynamic Lighting for Facades

Lighting a façade is not just about illumination – it can transform the nighttime experience of a building or structure. The use of dynamic lighting presents a powerful array of options for this transformation. This seminar provides an introductory overview of the methods and process employed for a dynamic lighting installation. Through case studies and computer modeling, participants will discover successful methods for adding dynamic lighting elements to enliven the facades of buildings and other structures. The seminar will explore common methods for luminaire selection and placement, control system integration, and content design and creation.