IESNA Baltimore Section
Fundamentals of Outdoor Lighting Course – Spring 2020

The IESNA Baltimore Section is once again offering the IES Fundamentals of Outdoor Lighting Course this Spring, hosted at the offices of Chesapeake Lighting in Columbia, MD.

Where: Chesapeake Lighting
9740 Patuxent Woods Dr.
Suite 100
Columbia, MD 21046

Instructor: Brian Benhaim, LC

Cost: $300.00 IES member students
$330.00 non-member students

Time: Thursday evenings from 7:00 PM – 9:00 PM

Dates: Thursday, March 19 - May 7, 2020

For More Info: Contact Brian Benhaim
Cell: (301) 821-0172
Email: bbenhaim@chesapeake-lighting.com

Fill out the form below and return to IESNA Baltimore Section with payment no later than Thursday, March 12, 2020. Send completed form and payment to:

IESNA Baltimore Section
c/o Valley Lighting
Attn: Kathy Deppe
601-U Hammonds Ferry Road
Linthicum, MD 21090

Or, register on EventBrite at: https://iesbaltimore-outdoorlighting2020.eventbrite.com

Note: those paying by credit card on Eventbrite will be charged a service fee. Please also complete and return this application to the course instructor.

Name _____________________________________________________________________
(As you want it to appear on Certificate)

Firm _____________________________________________________________________

Phone ___________________________ Cell Phone: _____________________________

Email _____________________________________________________________________

Address _____________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

City_________________________ State __________ Zip Code __________________

Member? □ Yes / □ No  IES Membership No.*________________________ Payment $_________

* Membership number must be registered to name of student.
Fundamentals of Outdoor Lighting

People/Hardware/Codes and Standards/Design/Engineering
2020

Class 1
Date: Thursday, March 19, 7:00 – 9:00 PM
Location: Morgan St. University, Center for the Built Environment and Infrastructure Studies Building, Room 255

- Introduction and intent of the course
- Overview of topics to be covered in the course
- Lighting terms
- The Eye/The Eye at Night/Eye-Brain
- Visual issues
- Stakeholders

Class 2
Date: Thursday, March 26, 7:00 – 9:00 PM
Location: Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Light sources
- Ballasts and Drivers
- Recent advances in light sources
- Color and human perception

Class 3
Date: Thursday, April 2, 7:00 – 9:00 PM
Location: Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Luminaires and light control
- Photometric reports and diagrams
- Lighting controls
- Luminaire Classification System
- Poles

Class 4
Date: Thursday, April 9, 7:00 – 9:00 PM
Location: Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Codes and Standards for Product and Application Safety, Energy Efficiency, and Sustainability
- MLO, Dark Skies
- DLC, Energy Star
Class 5  
**Date:** Thursday, April 16, 7:00 – 9:00 PM  
**Location:** Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Lighting design: research/analysis/synthesis

Class 6  
**Date:** Thursday, April 23, 7:00 – 9:00 PM  
**Location:** Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Application Review  
- Illumination engineering—Research/analysis/synthesis  
- Overview of calculations  
- Visual lighting software step-by-step case study

Class 7  
**Date:** Thursday, April 30, 7:00 – 9:00 PM  
**Location:** Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Stakeholders/Design Participants  
- Getting it built (What’s the problem? Why can’t I get what I specified?)  
- Reference IALD Guidelines for Specification Integrity

Class 8  
**Date:** Thursday, May 7, 7:00 – 9:00 PM  
**Location:** Chesapeake Lighting, 9740 Patuxent Woods Dr., Suite 100

- Cost of lighting calculators  
- Keeping it maintained  
- Final exam