



ENERGY EDUCATION CENTERS

Workforce Education & Training

Q3 | 2019

INFORMATION



IRWINDALE

Contact us:
800-336-2822
energyeducationcenter@sce.com

Location:
Energy Education Center – Irwindale
6090 N. Irwindale Ave.
Irwindale, CA 91702

Register for classes at
[sce.com/workshops](https://www.sce.com/workshops)



TULARE

Contact us:
800-772-4822
energyeducationcenter@sce.com

Location:
Energy Education Center – Tulare
4175 S. Laspina St.
Tulare, CA 93274

Register for classes at
[sce.com/workshops](https://www.sce.com/workshops)

INFORMATION



ON-LOCATION

Select classes are available in a city or town near you. Register for our Q3 2019 classes on pages 8.



ON-DEMAND

Take a class any day or time, 365 days a year, 24/7. Register for our On-Demand Classes on page 9.

Key

● Basic Class

◆ Intermediate Class

■ Advanced Class

AIA Class carries American Institute of Architects Learning Units

FCSI Foodservice Consultants Society International Continuing Education Units

IDSM This class is Integrated Demand Side Management compliant, and presents Energy Efficiency, Demand Response and/or Distributed Generation and utility-specific programs in the context of either whole-building systems or specific technologies.

IRWINDALE

To enroll in a class, click on the course title or visit us as sce.com/workshops

Building Envelope, Construction, & Software

Beginning EnergyPro 8 Residential ● AIA
7/10 12:30 PM - 4:00 PM

Beginning EnergyPro 8 Nonresidential ● AIA
7/10 8:30 AM - 12:00 PM

Advanced CBECC-Res Energy Modeling Software for Residential Buildings ■ AIA
7/24 8:30 AM - 4:00 PM

Advanced EnergyPro 8 Nonresidential ■ AIA
9/04 8:30 AM - 12:00 PM

Advanced EnergyPro 8 Residential ■ AIA
9/04 12:30 PM - 4:00 PM

Residential CEA Exam Preparation Workshop
9/23 8:30 AM - 4:00 PM

Nonresidential CEA Exam Preparation Workshop
9/24 8:30 AM - 4:00 PM

Introduction to CBECC-Res Energy Modeling Software for Residential Buildings ● AIA
9/25 8:30 AM - 4:00 PM

Electrical Training

Fundamentals of Electricity and Energy Efficiency ● IDSM
7/30 8:30 AM - 4:30 PM



Energy Management Controls

Introduction to Programmable Logic Controllers: Energy Efficiency Applications ● IDSM
8/12 8:30 AM - 4:00 PM

PLC LEVEL 1: Industrial Electricity and Automated Controls (2-Day Workshop) ●
8/13 8:30 AM - 4:00 PM

Energy Management Systems (EMS) ◆ IDSM
8/14 8:30 AM - 4:00 PM

PLC LEVEL 2: Industrial Electricity and Automated Controls (2-Day Workshop) ●
8/15 8:30 AM - 4:00 PM

PLC LEVEL 3: Industrial Electricity and Automated Controls (2-Day Workshop) ●
8/20 8:30 AM - 4:00 PM

PLC LEVEL 4: Industrial Electricity and Automated Controls (2-Day Workshop) ●
8/22 8:30 AM - 4:00 PM

Foodservice Technologies

High Speed Ovens: A High -Tech Solution for Production Challenges ● FCSI
8/27 10:00 AM - 2:00 PM



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HVAC/R Systems & Technologies

Basic Heating, Ventilating and Air Conditioning (HVAC) ● IDSM
7/23 8:30 AM - 3:00 PM

IHACI: Commercial HVAC/R Introduction Module Part 1 - Why, What, and How of Properly Operating HVAC Systems ◆
9/05 6:00 PM - 9:00 PM

IHACI: Commercial HVAC/R Introduction Module Part 2 - HVAC Systems for Single Story Commercial Buildings ◆
9/12 6:00 PM - 9:00 PM

IHACI: Commercial HVAC/R Introduction Module Part 3 - Complex HVAC Systems for Commercial Buildings ◆
9/19 6:00 PM - 9:00 PM

IHACI: Commercial HVAC/R Introduction Module Part 4 - Built-up HVAC Systems for Commercial Buildings ◆
9/26 6:00 PM - 9:00 PM



Lighting Technologies

California Advanced Lighting Controls Training Program (CALCTP) Systems - 2 Day Seminar - Day 1 ◆
7/23 4:00 PM - 9:00 PM

California Advanced Lighting Controls Training Program (CALCTP) Systems - 2 Day Seminar - Day 2 ◆
7/24 4:00 PM - 9:00 PM

California Advanced Lighting Controls Training Program - AT Technician: Lighting Acceptance Test Technician Certification Course - 2 Day Workshop - Day 1 ◆
8/20 8:00 AM - 4:00 PM

California Advanced Lighting Controls Training Program - AT Technician: Lighting Acceptance Test Technician Certification Course - 2 Day Workshop - Day 2 ◆
8/21 8:00 AM - 4:00 PM

Introduction to Lighting ● AIA
8/21 8:30 AM - 12:30 PM

2016/2019 Standards & Technology for Nonresidential Lighting ●
9/03 8:30 AM - 4:00 PM

From Candles to LEDs - Getting to the Point ◆ AIA IDSM
9/03 8:30 AM - 12:30 PM

2016/2019 Standards & Technology for Residential Lighting ◆
9/04 8:30 AM - 12:30 PM

Industrial Lighting with LEDs - Irwindale ◆
9/04 8:30 AM - 4:30 PM

Outdoor Lighting with LEDs ■
9/05 8:30 AM - 4:30 PM

Advanced Lighting Control Systems for Specifiers ■ IDSM
9/24 8:30 AM - 4:30 PM

Zero Net Energy

Zero Net Energy Design ◆
7/09 8:30 AM - 12:30 PM

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Building Envelope, Construction & Software

2016/2019 Nonresidential Standards For Architects ♦
8/27 7:30 AM - 4:30 PM

Energy Management Controls

PLC LEVEL 2: Industrial Electricity and Automated Controls (3-Day Workshop) ●
7/09 5:30 PM - 9:30 PM

PLC LEVEL 3: Industrial Electricity and Automated Controls (3-Day Workshop) ●
7/16 5:30 PM - 9:30 PM

PLC LEVEL 4: Industrial Electricity and Automated Controls (3-Day Workshop) ●
7/23 5:30 PM - 9:30 PM

HVAC/R Systems & Technologies

Variable Refrigerant Flow Systems - Design, Application and Function of VRF ●
9/12 8:30 AM - 12:00 PM

IHACI: (CAQI/QM/QS) System Performance Module Part 1 - Thermodynamics: Heat In Motion ♦
9/17 6:00 PM - 9:00 PM

IHACI: (CAQI/QM/QS) System Performance Module Part 2 - A Sub-System of the Building ♦
9/18 6:00 PM - 9:00 PM

IHACI: (CAQI/QM/QS) System Performance Module Part 3 - Heating System: Comfort with Energy Efficiency ♦
9/24 6:00 PM - 9:00 PM

IHACI: (CAQI/QM/QS) System Performance Module Part 4 - Cooling System: Comfort with Energy Efficiency ■
9/25 6:00 PM - 9:00 PM



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Lighting Technologies

Introduction to Lighting ● AIA

8/01 9:00 AM - 12:00 PM

Basics of LED Technology ● AIA

8/15 4:00 PM - 6:00 PM

Fundamentals of Lighting Controls for Commercial Spaces ●

8/15 6:00 PM - 8:00 PM

Renewables

LG Electronics - Overview of Energy Storage Systems ◆

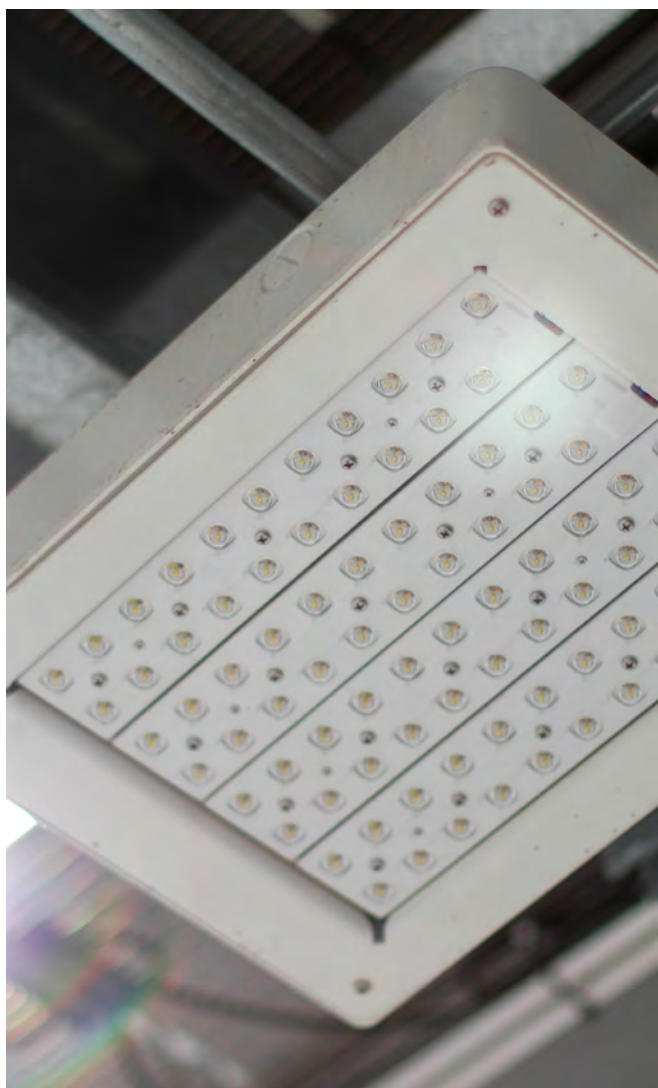
7/17 2:00 PM - 3:30 PM

LG Electronics - Residential Energy Storage System Certification Training ◆

7/17 9:00 AM - 12:00 PM

LG Electronics - Residential Energy Storage System Certification Training ◆

7/18 9:00 AM - 12:00 PM



ON-LOCATION

To enroll in a class, click on the course title or visit us as sce.com/workshops

Building Envelope, Construction, & Software

Title 24: Where We're Headed with the 2019 Standards

◆ AIA

7/11 8:30 AM - 12:30 PM
Cucamonga Valley Water District
10440 Ashford Street
Rancho Cucamonga, CA 91730
[Directions](#)

Title 24: Where We're Headed with the 2019 Standards

◆ AIA

9/5 8:30 AM - 12:30 PM
South Bay Environmental Services Center
20285 Western Ave., Suite 100
Torrance, CA 90501
Parking: For class and workshop parking please park in the last two rows on the west side of the parking lot (facing MOOG). Once parking is full customers may park on the street.
[Directions](#)

HVAC/R Systems & Technologies

Variable Refrigerant Flow and Ductless Systems - Design and Application ●

7/19 8:30 AM - 12:30 PM
South Bay Environmental Services Center
20285 Western Ave., Suite 100
Torrance, CA 90501
Parking: For class and workshop parking please park in the last two rows on the west side of the parking lot (facing MOOG). Once parking is full customers may park on the street.
[Directions](#)

Basic Heating, Ventilating and Air Conditioning (HVAC) ● IDSM

9/20 8:30 AM - 12:30 PM
SCE Whittier Service Center
9901 Geary Ave.
Santa Fe Springs, CA 90670
[Directions](#)

Lighting Technologies

Introduction to Lighting ● AIA

7/25 10:00 AM - 01:00 PM
SCE Ventura Service Center
10060 Telegraph Road
Ventura, CA 93004
[Directions](#)

Sustainability

CALGreen Title 24 Part 11 ● AIA

8/2 08:30 AM - 12:30 PM
Irvine City Hall
1 Civic Center Plaza
Irvine, CA 92606
[Directions](#)

Zero Net Energy

Zero Net Energy Design ◆

8/23 8:30 AM - 12:30 PM
South Bay Environmental Services Center
20285 Western Ave., Suite 100
Torrance, CA 90501
Parking: For class and workshop parking please park in the last two rows on the west side of the parking lot (facing MOOG). Once parking is full customers may park on the street.
[Directions](#)

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Sustainability

[Commercial Solar Overview](#)

[Residential Solar Overview](#)

Lighting Technologies

[From Fluorescent to Induction: An Area of Lamp Efficiency AIA](#)

[Introduction to Lighting AIA](#)

[Review of Lighting Fundamentals](#)

[Power Clips - Lighting](#)

[Power Clips - IDSM](#)

Foodservice Technologies

[Hot Rebates, Cool Savings](#)

HVAC/R Systems & Technologies

[Introduction to Heating, Ventilating and Air Conditioning \(HVAC\)](#)

[Introduction to Portfolio Manager](#)

[Save Energy, Save Money](#)

[Power Clips - HVAC](#)





SOUTHERN CALIFORNIA
EDISON[®]

Energy for What's Ahead[®]

Mark your calendar for our 26th Annual Water Conference!

September 10, 2019

**Southern California Edison
(SCE)
Energy Education Center
6090 N. Irwindale Ave
Irwindale, CA 91702**

This year's conference will be packed with engaging speakers, thought-provoking topics, and key matters affecting California's water sector.

We'll cover state and regional issues, new opportunities and emerging technologies as part of SCE's Clean Electric Pathway, and share the latest information on wildfire mitigation efforts.

For more information, visit us on line at:
scewaterconference.com/irwindale

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TULARE

Contact us:
800-772-4822
energyeducationcenter@sce.com

Location:
Energy Education Center – Tulare
4175 S. Laspina St.
Tulare, CA 93274

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Cancellation Policy:

Classes are held subject to enrollment. If you are unable to attend, please call to cancel your reservation as soon as possible. More than two no-shows will jeopardize your ability to register for future classes.

Note:

Children under the age of 16 are not permitted to attend or participate in our adult education classes and workshops.

All reservations are subject to space availability. Reservations will be held for 15 minutes following the start of class after which time your seat may be given to a waiting customer. Please bring your confirmation with you to each event. The Energy Education Center reserves the right to cancel any class/workshop/event.

Disclaimer: Content of classes and other program information is general in nature and not guaranteed or warranted to provide solutions to any specific situation. Content is provided for information only. SCE's Energy Education Center-Tulare is not responsible for the views, interpretations or recommendations made in any program that reflect the positions of the presenters. SCE does not endorse any particular product, manufacturer or service discussed and does not represent any goods or services for any purpose or use other than demonstration. All classes are offered at no charge to SCE customers unless otherwise stated.