



Building  
Energy  
Education

fundamentals

## Teach Energy Efficiency

Hands-on Curriculum | Instructor Training | Resources

Are you an instructor or administrator of a community college or trade program related to building design or construction?

Are you a building code professional?

Do you want **FREE** teaching materials and resources on energy code and energy efficiency topics?



Community college and trade programs are responsible for training the next generation of building professionals to design, construct, repair, and operate the buildings of the future. Today's professionals need training on energy efficiency best practices and how to meet energy code requirements for new and existing buildings.

Check out the free to use materials and start introducing energy efficiency basics to your students!

**YES**

Follow the  
**BEE!**



# Access Instructor Toolkit Below

## Intro Modules

- 1: Energy Efficiency Careers & Pathways
- 2: Building Energy Basics
- 3: Introduction to Energy Codes & Standards
- 4: Navigating Energy Codes & Standards

## Mechanical & Electrical Modules

- 9: Mechanical Equipment Sizing
- 10: Duct Design & Installation
- 11: Mechanical Ventilation
- 12: Lighting

## Presentations

## Worksheets



## In-Class Activities

## Videos

## Envelope Modules

- 5: Envelope Fundamentals
- 6: Walls & Openings
- 7: Roof & Ceiling Insulation
- 8: Foundations & Floors

## Advanced Modules

- 13: Beyond Code
- 14: Net Zero Buildings
- 15: Existing Building Renovations

## Using the Curriculum

Available to all for **FREE.**

Select module content, activities, and quizzes that align with your current course materials to supplement your instructional goals.

Adapt and modify content as needed.

## Visit our website!



[smartenergy.illinois.edu/bee\\_fundamentals/](https://smartenergy.illinois.edu/bee_fundamentals/)

## Contact SEDAC for more information

[energycode@illinois.edu](mailto:energycode@illinois.edu)

800.214.7954

SEDAC, the Smart Energy Design Assistance Center, is an applied research center at the University of Illinois and the Energy Code Training Provider for the State of Illinois. We are partnering with State Energy Offices in Illinois, Nevada, and Hawaii to deliver this training program.

This training program is funded by the U.S. Department of Energy, DE-EE0009092.0000, with the goal to increase participant knowledge of advanced design and construction practices among instructors and students in community college programs, and to increase awareness of employment opportunities in code official professions.