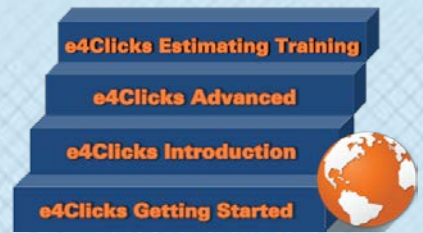


# Electrical Estimating

Join the 4Clicks team to take your estimating skills to the next level! Dig into the depth of your electrical cost data and confidently produce line item estimates.



[www.4Clicks.com/training](http://www.4Clicks.com/training)

Owners, Contractors, and AE's:

This training is for every e4Clicks user! This is an opportunity to hone and perfect your estimating skills. Join us for a one-day course as we guide you through the process of electrical estimation using e4Clicks Projects Estimator. You will walk away from this class confident in your estimating skills!

In previous training classes, we focused on learning e4Clicks. Now we want to give you the other half of the equation and expand your estimating knowledge!

This class explores the details of the major electrical components you will commonly need to estimate. We will reinforce each lesson with hands-on exercises.

You will:

- Gain deeper understanding of electrical components
- Generate "punch-list" and auditable estimates that are correct and complete
- Produce your own accurate electrical estimates without relying solely on or waiting for sub-contractors' estimates
- Create electrical templates for quick and accurate estimating in the future

Join your peers, and gain incredible understanding and practical experience with hands-on exercises. Plus, you'll receive our training manual to take home for future reference.

The cost of attending our 1-day Intro course is \$760.00 per attendee. Please remember you must have a computer to attend. Registrants without a laptop can rent one for \$150.00 each. A training version of e4Clicks will be provided. Attendees will be using e4Clicks, and a basic working knowledge of the program is required.

Classes can fill up quickly. Visit our website or [click here](#) to register today!

Bruce Sarty  
Director of Training  
951.679.3887  
[info@4Clicks.com](mailto:info@4Clicks.com)

The following items will be covered in this class:

- Organizing Electrical Estimates
- Electrical References
- Electrical Terminology
- Branch Circuits
  - Panel boards
  - Circuit Breakers
  - Conduit
  - Conductors
  - Receptacles & Switches
- Electrical Take-off

But don't take our word for it ...

*"The class was hot diggity – Instructor was lively and great class interaction. Thank you. Very useful tool..."*

- USAF, Program Manager

*"Overall, the course was great. The product performed perfectly and Bruce's knowledge of said product was stellar. He answered every question that was asked and he knew what he was doing with the software."*

- Team Integrated Engineering

*"All around loved the class. Bruce had a great attitude with a great balance of interests from contractor to owner. Overall thanks so much for your help, I found GREAT value in the class and material covered. The binder is perfect for when I only pick up 4Clicks once a month or every day."*

- USAF, Project Manager

 **Register For Training**



**4Clicks**  
By Estimators For Estimators™  
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# Introduction to Electrical Estimating Syllabus

Start Time	End Time	Topic	Outline
8:00 AM	8:15 AM	Course Introduction	Welcome, Introductions, Schedule, Objectives, Website, Newsletter, Spotlights, Survey
8:15 AM	8:30 AM	Organizing Electrical Estimates	Discuss the Different Ways to Organize an Electrical Estimate and Why
8:30 AM	8:45 AM	<b>Class Exercise #1 – Organizing Electrical Estimates</b>	Create a Project and Estimate, Re-name Estimates, Augment Estimates and Organize them by Division
8:45 AM	8:50 AM	Class Exercise – Solution	Class Exercise – Solution
9:00 AM	9:30 AM	Electrical Tips and References	Discuss the Importance of Cost Data Electrical Tips and References
9:30 AM	9:50 AM	<b>Class Exercise #2 – Locate References and copy to folder</b>	Locate the References Listed and Copy to a Folder on your Desktop
10:00 AM	10:40 AM	Branch Circuits	Discuss Branch Circuits – Panel boards, Circuit Breakers, Conduit
10:40 AM	11:10 AM	<b>Class Exercise #3 – Branch Circuits</b>	From the list provided, Build a 100a Panel board Template Estimate
11:20 AM	11:30 AM	Class Exercise – Solution	Class Exercise – Solution
11:30 PM	12:00 PM	Branch Circuits	Discuss Branch Circuits – Conductors, Receptacles and Switches, Boxes, and Covers
12:00 PM	12:30 PM	Lunch	
12:30 PM	1:00 PM	Branch Circuits “Continued”	Discuss Branch Circuits – Conductors, Receptacles and Switches, Boxes, and Covers
1:00 PM	1:40 PM	<b>Class Exercise #4 – Branch Circuits</b>	Build a Branch Circuit Template Estimate
1:40 PM	1:50 PM	Class Exercise – Solution	Class Exercise – Solution
2:00 PM	2:30 PM	Electrical Takeoff	Discuss Electrical Takeoff, eTakeoff, SOW, Drawings, Specs

## OPTION 1: Build a Communication/Data Estimate

2:30 PM	3:00 PM	Communication	Discuss Communication and Data, Cat 6, Connectors and Outlets
3:10 PM	3:35 pm	<b>Class Exercise #5 –</b> Communication Estimate	Build a Communication Estimate
3:35 PM	3:45 PM	Class Exercise – Solution	Class Exercise – Solution
3:45 PM	4:00 PM	Questions	Questions, Training Classes, and Good-byes

## OPTION 2: Build a Fire Alarm Estimate

2:30 PM	3:00 PM	Fire Alarm	Discuss Addressable Fire Alarm Systems
3:10 PM	3:35 pm	<b>Class Exercise #6 –</b> Fire Alarm Estimate	Build an Addressable Fire Alarm Estimate
3:35 PM	3:45 PM	Class Exercise – Solution	Class Exercise – Solution
3:45 PM	4:00 PM	Questions	Questions, Training Classes, and Good-byes