



# ELECTRICAL Estimating

## Description:

Participants will learn skills and knowledge to estimate electrical construction projects and prepare a successful bid.

## Audience:

The course is designed for those interested in becoming electrical estimators and for workers with experience in construction that desire to improve their knowledge of electrical estimating.

## The course includes:

16 hours of lessons with instructor plus an online portion involving research, reading and answering questions (7-8 hours).

## Education credits:

The course is eligible for 5 CCA Gold Seal education credits upon completion.

## The instructor:

### Troy Henderson

Go to [bgcpartners.ca/our-team](http://bgcpartners.ca/our-team) for instructor bio.

## At the end of the course participants will be able to:

- Calculate work quantities from engineering drawings
- Assemble efficient crews, and determine productivity
- Put into practice effective methods for determining job costs
- Use essential formats for clearly estimating equipment, labor, material and other service costs related to completing a project
- Assess and decide how a variety of physical site complexities may affect the estimated cost of a project and use methods to counteract these variances
- Better identify and interpret general site conditions, special conditions and technical specifications associated with sitework projects
- Analyze potential projects and decide on which ones to bid
- Understand risk analysis and how to price this into a bid
- Do competitor analysis and understand how this impacts the bid
- Do client risk analysis and how to price this into bids
- Record material and other prices and maintain contact lists
- Formulate a bid strategy
- Understand how to prepare an estimate and the estimating process
- Become familiar with Construction Division Codes
- Understand how to present a bid
- Be familiar with how to use the bid depository
- Understand the requirements for bonding and insurance
- Understand the post-bidding process
- Communicate with project managers to pass on knowledge of the bid



[www.bgcpartners.ca](http://www.bgcpartners.ca)