

# ELECTRICAL Estimating

## Description:

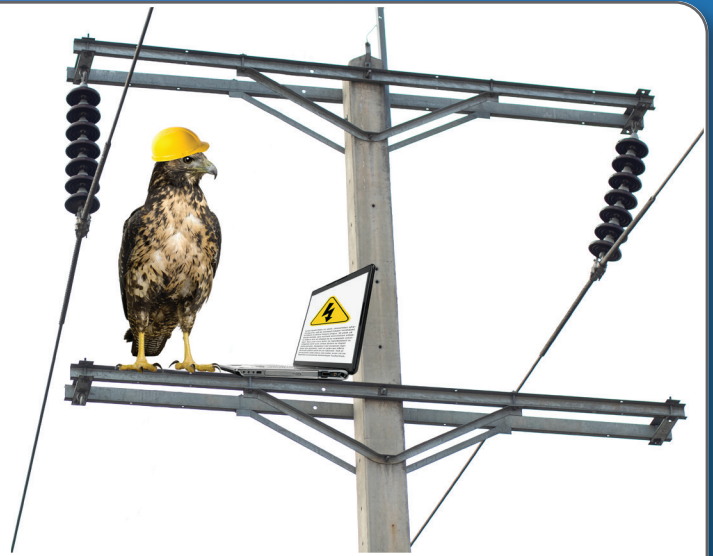
Participants will develop skills and knowledge to estimate electrical construction projects and prepare a successful bids.

## 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.

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

- Calculate work quantities from engineering drawings
- Adjust for material swell and shrink factors
- 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 electrical 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 prior to mobilization

## Course fee includes:

All books and materials, lunch, certificate upon completion and parking.

## The course includes:

Two days (16 hours) of lessons with instructors plus an online portion involving research, reading and answering questions (7-8 hours) that will be marked by the instructors). The course is eligible for 3 CCA Gold Seal education credits upon successful completion.

## The instructors:

**Charles Baverstock**, GSC

**Tim Williams**, B.Econ., MBA, CPA, GSC



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