

## Construction Electrical Estimating

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### Topic:

Construction Electrical Estimating

### Background:

This course leads participants through a case study estimating project. In each module, the participants will learn about specific concepts, where they will then be asked to apply their newly learned knowledge to a case study project. Following the completion of this course, participants will produce a paper-based bid estimate which demonstrates their level of understanding regarding the tendering process, bid estimate best practices and the use of tools used by estimators.

### Program Curriculum:

Upon successful completion, participants earn one (1) credit towards their Gold Seal Certification. This course is self-paced and facilitated by an online instructor. This course will require 3 hours of dedicated time per week, for 12 weeks to complete.

### Learning Outcomes:

- Participants complete an Estimate Record Card and acquire (unless still undergoing the acquisition of) tools required to complete an estimate.
- Participants will have reached a level of understanding regarding the reviewal of tender documents and the justification proceedings for placing bids
- Knowledge of how to organize bid documents and obtain estimating forms in anticipation of completing an estimate utilizing the division of work estimating method
- Ability to conduct take offs and pricing sheets
- Knowledge of how to price labour material lists
- Ability to summarize bid estimates and calculate final bid prices
- Understand how bid estimates fit into historical cost cycling
- Ability to examine estimating software in context of having completed a paper-based bid estimate