

ET-101: Energy Modelling Techniques and eQuest 3.65 Essential

Course Description

An increasing number of provincial laws and city by-laws, as well as professional energy standards and rating systems are requiring the use of building energy simulation programs to verify energy and dollar savings for both high performance new facility design projects and existing building retrofits. This course covers the essentials of building energy modeling and explains how to use modeling to guide design decisions. It provides modeling tips related to the building envelope, plug loads, lighting systems, and HVAC systems. Attendees will gain a clear, in-depth understanding of the theory and practice of building energy modeling, and will also have the opportunity for hands-on building simulation experience during the seminar.

Course Outline

- Introduction to Building Energy Modeling
- Building Code (ASHRAE, NECB) (quick walk through)
- Schematic Design Wizard
- Design Development Wizard (quick walk through)
- Detailed Interface (quick walk through)
- Parametric Runs (quick walk through)
- Reference Compliance Runs (ASHRAE, NECB) (quick walk through)
- Case Study Projects

Prerequisites

No prerequisites for ET-101: Energy Modelling Techniques and eQuest 3.65 Essential

Scheduling

Total Duration of Course: 16 Hours

Day 1: 8 Hours

Day 2: 8 Hours

Who Should Attend

- Energy-related design decision makers
- Junior Energy modellers
- Engineers and technicians
- People with HVAC training looking for a promising career



Instructor Information

Afzal Siddique, Trainer at RWI

Full Profile:

<http://rwinstitute.ca/our-people/afzal-siddique/>

Linkedin:

<https://www.linkedin.com/in/afzal-siddique-8b85181b/>

PDH & CEUs

CEUs: 1.4

PDHs: 14

Fee Covers:

- Lecture materials/handouts

Cancellation Policy:

- RWI reserves the right to cancel or postpone any course or workshop due to under-enrollment, instructor illness or inclement weather with full refund option.
- The registrant cannot cancel the course orally or by telephoning RWI, nor by choosing not to attend. Cancellation shall be confirmed by submitting an email request to training@rwinstitute.ca.
- Registration fees will be refunded in full if cancellation is received by RWI more than three weeks prior to the training date.
- Cancellations received one to three weeks prior to the training date are subject to 50% of the course fee.
- Registrants who do not attend the training or who cancel less than one week prior to the training date are liable for the entire registration fee.
- A substitute registrant may be enrolled prior to the first day of the course by contacting RWI by email training@rwinstitute.ca
- Refunds are not available for textbooks, exam related fees, extension fees, study / course support tools or any online course product.

Course Overview Page

<http://rwinstitute.ca/programs-and-workshops/course-index/et101/>