

Green Technologies Institute

BUILDING SCIENCE

Building Science (Part One) (15 Hours)

This course is designed to provide IAQ professionals with a working knowledge of the design and construction of roofing assemblies for buildings which they assess. Topics include slope and performance requirements, shingles, tiles, sprayed, re-roofing and rooftop structures.

Building Science (Part Two) (15 Hours)

This course is designed to provide IAQ professionals with a working knowledge of different foundation systems and their influence upon IAQ issues. Damp proofing, waterproofing, and water tables are discussed, along with differing soil issues that influence IAQ issues. Exterior walls, materials and wall coverings, as well as wall components such as windows, doors and trim are all included in the analysis.

Building Science (Part Three) (15 Hours)

This course is designed to provide IAQ professionals with an assimilation of the materials from part one and part two, framed in pragmatic problem-solving matrices, case studies, and in-class practical exercises.