**SITE LAYOUT**

**LEVEL 1**

**Curriculum Notes**

- **162.5 Hours**
  - Includes 72.5 hours of Core Curriculum, which is a prerequisite for Level 1 completion and must be purchased separately.
  - Published: 2004
  - Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

**PAPERBACK**

Trainee Guide: $69.99
Individual Modules: $24.99
see module list

**MODULES**

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

**Introduction to Site Layout** *(10 Hours)*
(Module ID 78101-04) Provides an overview of the site layout trade and related tasks. Covers the use of the builder’s level and leveling rods, as well as the equipment and procedures for making distance measurements by taping (chaining). Also covers the elements of professional conduct, safety, and communications. Briefly describes the aspects of an apprenticeship program and the career path and professional opportunities related to the site layout trade.

**Surveying Math** *(30 Hours)*
(Module ID 78102-04) Expands on the Core Curriculum module, Introduction to Collection Math, with emphasis on the metric system, including how to convert between English and metric system units. Covers basic concepts for working with formulas and equations, as well as basic geometry and right-angle trigonometry.

**Advanced Surveying Math** *(30 Hours)*
(Module ID 78103-04) Expands on the Core Curriculum module, Introduction to Construction Drawings, and provides techniques for reading and using drawings and specifications. Emphasis is placed on drawings and types of information that are relevant to the site layout trade.

**Survey Equipment Use and Care One** *(30 Hours)*
(Module ID 78104-04) Expands on the Core Curriculum module, Introduction to Construction Drawings, and provides techniques for reading and using drawings and specifications. Emphasis is placed on drawings and types of information that are relevant to the site layout trade.

**Concrete Properties and Quality Control** *(15 Hours)*
(Module ID 78204-04) Covers the chemical and physical properties of concrete and the components, such as cement, aggregates, and admixtures, that make up the concrete mixture. Explains the various methods and equipment used to sample, test, and inspect concrete.

**Means and Methods** *(40 Hours)*
ISBN 978-0-13-160027-0
(Module ID 78207-04) Provides extensive coverage of soils and their classifications and explains how various soils behave in excavations. Covers the safety procedures and equipment used when working in or near trenches. Provides layout procedures for footings, piers, building corners, columns, walls, embankments, and stairs.

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