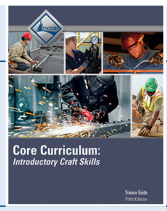
Core Curriculum: Introductory Craft Skills

CORE CURRICULUM



INTRODUCTORY CRAFT SKILLS

Curriculum Notes

- ***Core Curriculum* is a prerequisite to most Level 1 completions and must be purchased separately.**
- 72.5 Hours (plus 7.5 Elective/Optional Hours)
- Revised: 2015, Fifth Edition
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.
- A Spanish translation of the fifth edition is available. Please see NCCER's online catalog for more information.

HARDCOVER	ISBN
Trainee Guide: $57	978-0-13-413143-6
PAPERBACK	**ISBN**
Trainee Guide: $54	978-0-13-413098-9
Individual Modules: $20	see module list
SPANISH	**ISBN**
Trainee Guide: $54	978-0-13-444335-5
DIGITAL	**ISBN**
NCCERconnect Access Card: $54	978-0-13-423592-9
NCCERconnect + Hardcover Trainee Guide: $82	978-0-13-428567-2
NCCERconnect + Paperback Trainee Guide: $79	978-0-13-439192-2

MODULES

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

Basic Safety (Construction Site Safety Orientation) *(12.5 Hours)*

ISBN 978-0-13-407556-3

(Module ID 00101-15) Presents basic jobsite safety information to prepare workers for the construction environment. Describes the common causes of workplace incidents and accidents and how to avoid them. Introduces common personal protective equipment, including equipment required for work at height, and its proper use. Information related to safety in several specific environments, including welding areas and confined spaces, is also provided.

Introduction to Construction Math *(10 Hours)*

ISBN 978-0-13-413164-1

(Module ID 00102-15) Reviews basic math skills related to the construction trades and demonstrates how they apply to the trades. Covers multiple systems of measurement, decimals, fractions, and basic geometry.

Introduction to Hand Tools *(10 Hours)*

ISBN 978-0-13-412937-2

(Module ID 00103-15) Introduces common hand tools used in a variety of construction crafts. Identifies tools and how to safely use them. Also presents proper hand tool maintenance.

Introduction to Power Tools *(10 Hours)*

ISBN 978-0-13-412901-3

(Module ID 00104-15) Identifies and describes the operation of many power tools common in the construction environment. Provides instruction on proper use, as well as safe-handling guidelines and basic maintenance.

Introduction to Construction Drawings *(10 Hours)*

ISBN 978-0-13-412903-7

(Module ID 00105-15) Introduces the basic terms, components, and symbols of construction drawings, as well as the most common drawing types. Also covers the interpretation and use of drawing dimensions.

Introduction to Basic Rigging *(7.5 Elective Hours)*

ISBN 978-0-13-412905-1

(Module ID 00106-15) Provides basic information related to rigging and rigging hardware, such as slings, rigging hitches, and hoists. Emphasizes safe working habits in the vicinity of rigging operations.

Basic Communication Skills *(7.5 Hours)*

ISBN 978-0-13-412899-3

(Module ID 00107-15) Provides techniques for effective communication on the job. Includes examples that emphasize the importance of both written and verbal communication skills. Describes the importance of reading skills in the construction industry and discusses effective telephone and email communication skills.

Basic Employability Skills *(7.5 Hours)*

ISBN 978-0-13-412896-2

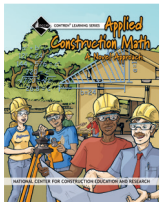
(Module ID 00108-15) Describes the opportunities offered by the construction trades. Discusses critical thinking and essential problem-solving skills. Also identifies and discusses positive social skills and presents information on computer systems and their industry applications.

Introduction to Material Handling *(5 Hours)*

ISBN 978-0-13-412892-4

(Module ID 00109-15) Describes the hazards associated with handling materials and provides techniques to avoid both injury and property damage. Also introduces common material-handling equipment.

Applied Construction Math



A Novel Approach

Published: 2006

PAPERBACK	ISBN
Trainee Guide: $30	978-0-13-227298-8

Applied Construction Math: A Novel Approach features a story that students can relate to and math skills they never thought they could grasp. Its innovative style motivates students to follow the lessons by associating math with events they may encounter in their own lives. Students will see that learning math can be exciting as they follow along with Mr. Whyte and his construction class while they build the perfect house. Thirteen chapters teach basic math skills, including:

- Division
- Decimals/Percentages
- Reading Measurements
- Calculating Area
- Powers of Ten
- Linear Measure, Angles, Volumes, Pressure, and Slopes
- Solving for Unknowns
- Square Inches, Feet, and Yards
- Volume

Enhance your construction training with these supplemental *Core Curriculum* companions. The following titles are excellent resources for your existing program. They can be used on a standalone basis or in combination with the *Core Curriculum*.

Basic Safety

Construction Site Safety Orientation

12.5 Hours
Revised: 2015
Module ID 00101-15

PAPERBACK	ISBN
Trainee Guide: $20	978-0-13-407556-3

This module, from *Core Curriculum*, replaces the *Safety Orientation* book. See see the module description above for more information.

Continued on following page

Tools for Success

Critical Skills for the Construction Industry

Revised: 2009,
Third Edition

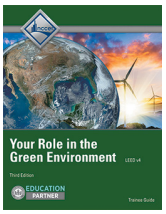
PAPERBACK **ISBN**

Trainee Workbook: $32 **978-0-13-610649-4**

This workbook is designed for employees entering the construction industry and has been reviewed and updated with input from construction and training professionals.

The Instructor's Handbook includes an annotated instructor's outline, recommended teaching schedules, answers to quizzes, and tips and ideas for enhancing class activities.

Your Role in the Green Environment



15 Hours
Updated: 2015, Third Edition
Module ID 70101-15

PAPERBACK **ISBN**

Trainee Guide: $30 **978-0-13-294863-0**

- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

