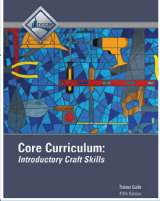




# Core Curriculum: Introductory Craft Skills

## CORE CURRICULUM



INTRODUCTORY  
CRAFT SKILLS

REVISED!

### 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
- Trainee Guide and trainee modules are in full color.
- New printed instructor's package includes lesson plans, instructor's copy of trainee guide with an access code to download TestGen software, module exams, PowerPoints®, and performance profile sheets from [www.nccerirc.com](http://www.nccerirc.com).
- A Spanish translation of the third edition is available. Please see NCCER's online catalog for more information. A Spanish translation of the 5th edition is underway
- A basic construction math workbook with practice problems is included with the instructor's package.

<b>HARDCOVER</b>	<b>ISBN</b>
Trainee Guide: \$54	<b>978-0-13-413143-6</b>
<b>PAPERBACK</b>	<b>ISBN</b>
Trainee Guide: \$51	<b>978-0-13-413098-9</b>
Instructor's Package: \$51	<b>978-0-13-420128-3</b>

### MODULES

All of the modules listed below are included in the Trainee and Instructor Guide(s) listed above. The following ISBN and pricing information is for ordering individual modules only.

#### Basic Safety (12.5 Hours)

Trainee \$19      ISBN 978-0-13-407556-3  
 Instructor \$19      ISBN 978-0-13-412939-6  
 (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 PPE, 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)

Trainee \$19      ISBN 978-0-13-416370-3  
 Instructor \$19      ISBN 978-0-13-413140-5  
 (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)

Trainee \$19      ISBN 978-0-13-412937-2  
 Instructor \$19      ISBN 978-0-13-412886-3  
 (Module ID 00103-15) Introduces common hand tools used in a variety of construction crafts. Identifies tools and how to safely use them. Proper hand tool maintenance is also presented.

#### Introduction to Power Tools (10 Hours)

Trainee \$19      ISBN 978-0-13-412901-3  
 Instructor \$19      ISBN 978-0-13-412902-0  
 (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 on safe-handling guidelines and basic maintenance.

#### Introduction to Construction Drawings (10 Hours)

Trainee \$19      ISBN 978-0-13-412903-7  
 Instructor \$19      ISBN 978-0-13-412904-4  
 (Module ID 00105-15) Introduces the basic elements of construction drawings. The common components of drawings are presented, as well as the most common drawing types. The use of drawing scales and how to measure drawings is also covered.

#### Introduction to Basic Rigging (7.5 Elective Hours)

Trainee \$19      ISBN 978-0-13-412905-1  
 Instructor \$19      ISBN 978-0-13-412900-6  
 (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)

Trainee \$19      ISBN 978-0-13-412899-3  
 Instructor \$19      ISBN 978-0-13-412898-6  
 (Module ID 00107-15) Provides good 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 covers proper techniques to use in a variety of different written communication formats.

#### Basic Employability Skills (7.5 Hours)

Trainee \$19      ISBN 978-0-13-412896-2  
 Instructor \$19      ISBN 978-0-13-412895-5  
 (Module ID 00108-15) Describes the opportunities offered by the construction trades. Discusses critical thinking and essential problem-solving skills for the construction industry. Also identifies and discusses positive social skills and their value in the workplace.

#### Introduction to Material Handling (5 Hours)

Trainee \$19      ISBN 978-0-13-412892-4  
 Instructor \$19      ISBN 978-0-13-412887-0  
 (Module ID 00109-15) Describes the hazards associated with handling materials and provides techniques to avoid both injury and property damage. Common material-handling equipment is also introduced.

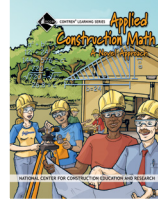
Ordering information for *Core Curriculum*, Fourth Edition:

<b>HARDCOVER</b>	<b>ISBN</b>
Trainee Guide: \$54	<b>978-0-13-608636-9</b>
<b>PAPERBACK</b>	<b>ISBN</b>
Trainee Guide: \$51	<b>978-0-13-608637-6</b>
Instructor's Guide: \$51	<b>978-0-13-608639-0</b>

**NCCERconnect**, our complete online solution is available. Visit [www.nccer.org/online-solutions](http://www.nccer.org/online-solutions) for more information.

Enhance your construction training with these great supplemental Core Companions. The following titles are an excellent resource for your existing program. They can be used on a stand-alone basis or in combination with the Core Curriculum.

## Applied Construction Math



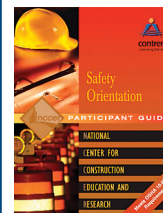
Published: 2006

<b>PAPERBACK</b>	<b>ISBN</b>
Trainee Guide: \$27	<b>978-0-13-227298-8</b>
Instructor's Edition: \$27	<b>978-0-13-227300-8</b>
<i>(includes Resource CD)</i>	

*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 that they may encounter in their real lives. Students will see that learning math can be something as exciting as building a new house as they follow along with Mr. Whyte and his construction class as they build the perfect house. Thirteen chapters teach basic math skills, including:

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

## Safety Orientation



10 Hours  
Revised: 2004  
Module ID 75501-04

<b>PAPERBACK</b>	<b>ISBN</b>
Pocket Guide: \$14	<b>978-0-13-163612-5</b>
Instructor's Guide: \$24	<b>978-0-13-163613-2</b>
<i>(full size; includes tests and PowerPoints)</i>	

See p. 95 for more information.

## Tools for Success



### Critical Skills for the Construction Industry

Revised: 2009,  
Third Edition

#### PAPERBACK

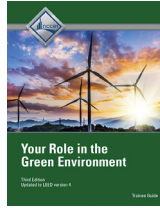
#### ISBN

Trainee Workbook: \$29 **978-0-13-610649-4**  
Instructor's Handbook: \$29 **978-0-13-610650-0**

This workbook is designed for employees entering the construction industry and has been reviewed and updated with input from construction and training professionals. *First Impressions: Getting a Job* features tips on finding a job, interviewing, filling out applications, and resume writing.

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



UPDATED TO  
LEED VERSION 4!

15 Hours  
To Be Updated: 2015;  
for more information visit  
[www.nccer.org/book-updates](http://www.nccer.org/book-updates).  
Module ID 70101-15

#### PAPERBACK

#### ISBN

Trainee Guide: \$27 **978-0-13-294863-0**  
Instructor's Package: \$27 **978-0-13-417725-0**  
See p. 66 for more information

Ordering information for *Your Role in the Green Environment*,  
LEED Version 3:

#### PAPERBACK

#### ISBN

Trainee Guide: \$27 **978-0-13-602303-6**  
Instructor's Guide: \$27 **978-0-13-602304-3**

**NCCERconnect**, our complete online solution is available.  
Visit [www.nccer.org/online-solutions](http://www.nccer.org/online-solutions) for more information.

