

Title:	Concrete Construction, Level 1
Edition:	2
Publication Date:	2021
Additional Instructor Requirement(s):	None
Prerequisite(s):	Core
Previous Edition Expiration Date:	www.nccer.org/expirations



Book Module Number	Module Name	1 st Edition Mod ID #	2 nd Edition Mod ID #	2 nd Edition Hours	1 st Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
---	---	---	---	77.5	72.5	---	---	• Core, 6 th edition
1	Introduction to Concrete Construction	23101	23101	10	10	---	No	• Introduces role of concrete in construction & overview of process. • Interim Credential
2	Concrete Safety	23102	23102	7.5	5	---	No	• Role of OSHA in workplace, hazards unique to concrete work. • Interim Credential
3	Fall Protection Orientation	---	75901	8	---	---	No	• From the Safety Series
4	Concrete Tools and Equipment	23104	23104	12.5	7.5	---	Yes	• Introduces wide variety of hand and power tools for concrete construction. • Interim Credential
5	Preparing for Placement	23105	23105	15	12.5	---	Yes	• Review of tasks before placement, elevation & subgrade preparation. • Interim Credential
6	Reinforcing Concrete	---	27304	15	---	27304-14	Yes	• From Carpentry • Interim Credential
7	Foundations and Slabs-on-Grade	---	27307	20	---	27307-14	Yes	• From Carpentry
8	Vertical Formwork	---	27308	22.5	---	27308-14	Yes	• From Carpentry • Interim Credential
9	Horizontal Formwork	---	27309	15	---	27309-14	Yes	• From Carpentry • Interim Credential
10	Site Concrete	23204	23204	35	30	---	Yes	• Describes construction of various placements on a site. • Interim Credential
11	Finishing Concrete	---	23107	20	---	---	Yes	• NEW MODULE • Identifies and describes floating & troweling, edging, jointing, surface finishes. • Interim Credential
12	Curing and Protecting Concrete	23108	23108	10	5	---	Yes	• Describes curing and protection, factors that affect resulting strength and durability. • Interim Credential
Deleted	Properties of Concrete	23103	---	---	10	---	---	• Combined with 23201 into new module 23212 in Level 2
Deleted	Placing Concrete	23106	---	---	12.5	---	---	• Replaced with Carpentry module 27305
Deleted	Introduction to Troubleshooting	23109	---	---	5	---	---	• Combined with 23209 into new module 23211 in Level 2
			Total Hours	190.5				

Definitions:

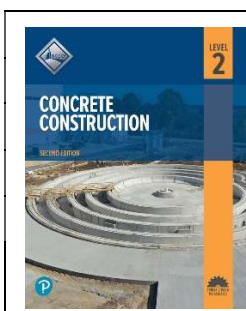
Lock-Down Module: A module adopted “as-is” from another craft or an earlier edition of the same curriculum.

Equivalent Module: A module whose learning and performance outcomes match those of the newer editions and is therefore considered ‘equivalent’ in NCCER’s Registry.

Interim Credential: A module, or group of modules, whose learning and performance outcomes demonstrates competence of specific components in an occupational area and results in a unique credential in the Registry.

Color Highlight Legend:

- = No Performance Test
- = Lock-Down Module
- = Equivalent Module
- = Deleted



Title:	Concrete Construction, Level 2
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Prerequisite(s):	None
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Book Module Number	Module Name	1 st Edition Mod ID #	2 nd Edition Mod ID #	2 nd Edition Hours	1 st Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
1	Properties of Concrete	---	23212	15	10	---	Yes	<ul style="list-style-type: none"> NEW MODULE Updated content on chemical and mineral admixtures. Interim Credential
2	Estimating Concrete Quantities	23202	23202	12.5	10	---	Yes	<ul style="list-style-type: none"> Added section on calculating volume needed for placement in varying shapes.
3	Tilt-Up Wall Panels	---	27310	17.5	---	27310-14	Yes	<ul style="list-style-type: none"> ELECTIVE From Carpentry
4	Paving	---	36108	12.5	---	36108-17	Yes	<ul style="list-style-type: none"> ELECTIVE From Heavy Highway Construction Interim Credential
5	Architectural Finishes	23205	23205	22.5	20	---	Yes	<ul style="list-style-type: none"> Updated to include a full range of decorative concrete construction.
6	Industrial Floors	23206	23206	27.5	22.5	---	Yes	<ul style="list-style-type: none"> Update on pre-placement industrial flooring considerations.
7	Superflat Floors	23207	23207	20	22.5	---	Yes	<ul style="list-style-type: none"> Update on superflat preparation methods.
8	Surface Treatments	23208	23208	15	---	---	Yes	<ul style="list-style-type: none"> Update on applying shakes, protective sealants, self-leveling toppings
9	Troubleshooting and Quality Control	---	23211	15	---	---	Yes	<ul style="list-style-type: none"> NEW MODULE Defines QC and reviews fresh-concrete troubleshooting methods based on ATSM standards. Interim Credential
10	Concrete Repair	23210	23210	20	10	---	Yes	<ul style="list-style-type: none"> Overview of repair process, coverage of post-placement inspection.
Deleted	Properties of Concrete, Part Two	23201	---	---	---	---	---	<ul style="list-style-type: none"> Combined with 23103 into new module 23212 in Level 2
Deleted	Forming	23203	---	---	---	---	---	<ul style="list-style-type: none"> Replaced with Carpentry modules 27308 & 27309 in Level 1
Deleted	Surface Treatments	23208	---	---	---	---	---	<ul style="list-style-type: none"> Combined with 23107 into new module 23120 in Level 1
Deleted	Quality Control	23209	---	---	---	---	---	<ul style="list-style-type: none"> Combined with 23109 into new module 23211
				Total Hours	147.5			
				Total Elective Hours	177.5			

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