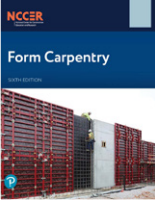


Form Carpentry

FORM CARPENTRY



LEVEL 3

Curriculum Notes

- 165 Hours
- Revised: 2026, Sixth Edition
- Downloadable instructor resources are available.

PAPERBACK	ISBN
Trainee Guide: \$102.99	978-0-13-545051-2
DIGITAL	ISBN
NCCERconnect Access Code: \$102.99	978-0-13-545048-2
Trainee Guide + NCCERconnect Access Code \$104.99	978-0-13-545032-1

MODULES

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

Properties of Concrete (10 Hours)

ISBN 997-8-0-13-545062-8

(Module ID 27303) Describes the properties, characteristics, and uses of cement, aggregates, and other materials used in different types of concrete. Covers methods and materials for curing concrete.

Reinforcing Concrete (17.5 Hours)

ISBN 978-0-13-545063-5

(Module ID 27304) Explains the selection and uses of different types of reinforcing materials. Describes requirements for bending, cutting, splicing, and tying reinforcing steel and the placement of steel in footings and foundations, walls, columns, and beams and girders.

Handling and Placing Concrete (20 Hours)

ISBN 978-0-13-545066-6

(Module ID 27305) Covers tools, equipment, and procedures for safely handling, placing, and finishing concrete. Describes joints made in concrete structures and the use of joint sealants.

Trenching and Excavation Safety (15 hours)

ISBN 978-0-13-545068-0

(Module ID 27306) Provides an introduction to working in and around excavations, particularly in preparing building foundations. Describes types and bearing capacities of soils, the relationship between soil composition and trench failure, and common methods for protecting workers in trenches.

Advanced Site Preparation and Layout (20 Hours)

ISBN 978-0-13-545070-3

(Module ID 27409) Covers the planning process that precedes the start of work on a construction site, including environmental considerations, personnel issues, access roads, traffic control, permits, site safety, utilities, and crane-related concerns.

Foundations and Slab-on-Grade (10 Hours)

ISBN 978-0-13-545056-7

(Module ID 27307) Covers basic site layout safety, tools, and methods. Describes layout and construction of deep and shallow foundations, types of foundation forms, layout and formation of slabs-on-grade, and techniques for form removal.

Vertical Formwork (22.5 Hours)

ISBN 978-0-13-545057-4

(Module ID 27308) Covers the applications and construction methods for types of forming and form hardware systems for walls, columns, and stairs, as well as slip and climbing forms.

Horizontal Formwork (15 Hours)

ISBN 978-0-13-545059-8

(Module ID 227309) Describes elevated decks and formwork systems and methods used in their construction. Covers joist, pan, beam and slab, flat slab, composite slab, and specialty form systems and provides instructions for the use of flying decks, as well as shoring and reshoring systems.

Tilt-Up Wall Construction (17.5 Hours)

ISBN 978-0-13-545060-4

(Module ID 27310) Describes how tilt-up concrete construction is used and how tilt-up panels are formed, erected, and braced. Covers the installation of rebar and types of embedments used to lift and brace the panels.

Oxyfuel Cutting (17.5 Hours)

ISBN 978-0-13-792457-8

(Module ID 29102) Explains the safety requirements for oxyfuel cutting. Identifies oxyfuel cutting equipment and provides instructions for setting up, lighting, and using the equipment.