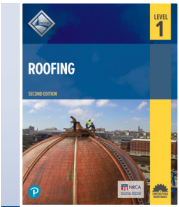


L1 ROOFING



Curriculum Notes

- 178 Hours (includes Core)
- Revised: 2021, Second Edition, in conjunction with NRCA®
- Downloadable instructor resources are available.

PAPERBACK

Trainee Guide: \$74.99

ISBN

978-0-13-749099-8

MODULES

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

Introduction to Roofing (2.5 Hours)

ISBN 978-0-13-749100-1

(Module ID 16101) Introduces the roofing craft and describes types of roofs and roof systems. Overviews basic concepts of safety, describes apprenticeship programs, and lists skills, responsibilities, and characteristics a worker should possess.

Roofing Safety (7.5 Hours)

ISBN 978-0-13-749109-4

(Module ID 16102) Discusses the best safety practices for roofing and educates about potential dangers on the job. Reviews risk mitigation, hazard control, safety-related resources, fall protection, and ladder safety.

Fall Protection Orientation (8 Hours)

ISBN 978-0-13-530500-3

(Module ID 75901) Covers fundamental safety and hazard recognition concepts. Introduces the role of OSHA in regulating elevated work on the jobsite and the causes, costs, and consequences of falls. Presents proper use of fall protection equipment; safe use of stairs, ladders, and scaffolds; and guidelines for use of aerial lifts.

Drawings in Roofing (10 Hours)

ISBN 978-0-13-749111-7

(Module ID 16103) Describes types of construction documents and explains how to navigate a drawing set to find roofing information. Explains the role of the project manual and specifications. Introduces the concept of building information modeling (BIM).

Introduction to Steep-Slope Roofing (12.5 Hours)

ISBN 978-0-13-749114-8

(Module ID 16105) Introduces steep-slope roof systems and discusses common types of decks and underlayments. Describes types and styles of steep-slope roof systems. Explains the purpose of various types of flashings.

Introduction to Low-Slope Roofing (10 Hours)

ISBN 978-0-13-749118-6

(Module ID 16106) Introduces important concepts about low-slope roof systems and their design, components, and installation. Outlines common types of roof decks, insulation, and cover boards. Describes attachment methods and reviews types of flashings.

Substrates, Decks, and Roof Insulation (12.5 Hours)

ISBN 978-0-13-749113-1

(Module ID 16104) Overviews common types of roof decks and insulation and related considerations. Explains basic principles of heat transfer, vapor movement, and deck movement and how roofs are designed to accommodate them. Describes general procedures for installing vapor retarders, insulation, cover boards, and tapered insulation.

Sheet Metal in Roofing (25 Hours)

ISBN 978-0-13-749121-6

(Module ID 16107) Describes the properties of different types of metal that impact the way sheet metal is used in construction. Overviews the tools used to measure, layout, and install sheet-metal components in roof systems. Outlines commonly used sheet-metal roofing components and basic procedures used to prepare and install them.

Rigging Practices (15 Hours)

ISBN 978-0-13-498801-6

(Module ID 38102) Describes basic rigging and safety practices related to rigging activities. Describes the use and inspection of equipment and hardware used in rigging. Explains how to apply common hitches. Covers jacks and hoisting materials.

L2 ROOFING

LEVEL 2

Curriculum Notes

- 145 Hours
- Revised: 2022, Second Edition, in conjunction with NRCA®
- Downloadable instructor resources are available.

PAPERBACK

Trainee Guide: \$99.99

ISBN

978-0-13-749131-5

MODULES

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

Asphalt Shingle Roof Systems (15 Hours)

ISBN 978-0-13-749133-9

(Module ID 16201) Discusses asphalt shingles as well as the tools and procedures used in the application of these systems. Describes appropriate attachment techniques and safety precautions involved in asphalt shingles installation and repair.

Clay and Concrete Tile Roof Systems (12.5 Hours)

ISBN 978-0-13-749134-6

(Module ID 16202) Introduces tile roof systems as well as the components and tools unique to their installation. Describes tile roof application procedures, safety considerations, and flashing techniques. Discusses tile repair methods.

Wood Roof Systems (12.5 Hours)

ISBN 978-0-13-749138-4

(Module ID 16203) Outlines the components, tools, and installation methods used for wood roof systems. Distinguishes between wood shingles and wood shakes. Identifies common mistakes in the installation of wood roof systems and introduces basic repair methods.

Slate Roof Systems (12.5 Hours)

ISBN 978-0-13-749140-7

(Module ID 16204) Describes slate roof system components, styles, tools, and safety considerations. Details appropriate procedures for the installation and repair of these systems.

Metal Roof Systems (15 Hours)

ISBN 978-0-13-749142-1

(Module ID 16205) Describes the various types of metal roofs, including architectural, structural, and metal shingle systems. Discusses the seam types, methods, and tools used in metal roof installation. Details the proper tools and techniques used for the installation of these features.

Thermoplastic Roof Systems (10 Hours)

ISBN 978-0-13-749143-8

(Module ID 16206) Describes types of thermoplastic roof systems and outlines their installation and repair. Identifies types of field membranes, pre-manufactured flashing accessories, attachment components, and related tools.

EPDM Roof Systems (10 Hours)

ISBN 978-0-13-749148-3

(Module ID 16207) Describes types of EPDM roof systems and their components. Identifies field membrane types, pre-manufactured flashing accessories, attachment methods, and components of EPDM roof systems. Describes installation and repair of these systems.

Built-Up Roof Systems (15 Hours)

ISBN 978-0-13-749149-0

(Module ID 16208) Introduces types of built-up roof (BUR) systems and their components. Outlines basic installation and repair methods associated with BUR system, as well as related tools.

Modified Bitumen Roof Systems (15 Hours)

ISBN 978-0-13-749152-0

(Module ID 16209) Describes types and characteristics of modified bitumen (mod-bit) roof systems. Discusses the components, installation procedure, basic repair methods, and tools used for mod-bit systems.

Liquid-Applied Roofing (12.5 Hours)

ISBN 978-0-13-749154-4

(Module ID 16210) Describes liquid-applied roofing products and explains the difference between roof coatings and liquid-applied roof membranes. Outlines procedures and tools used to install and repair liquid-applied roofing.

Roofing Service and Repair (15 Hours)

ISBN 978-0-13-749158-2

(Module ID 16212) Introduces service and repair in the roofing industry and related career opportunities for roofers. Describes the general process of repair as well as specific repairs for specific steep- and low-slope roof systems.