Industrial Coating and Lining Application Specialist

LEVEL 1

**INDUSTRIAL COATING AND LINING APPLICATION SPECIALIST**

**Curriculum Notes**
- 397.5 Hours
- Published: 2009
- Core Curriculum is not a prerequisite for Industrial Coating and Lining Application Specialist.
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

**PAPERBACK ISBN**
Trainee Guide: S103  978-0-13-604508-3  see module list

**INDIVIDUAL MODULES**
- Basic Safety (15 Hours)
  (Module ID 00101-04; from Core Curriculum, Third Edition)
  Explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Discusses the causes and results of accidents and the dangers of rationalizing risk. Reviews the role of company policies and OSHA regulations in maintaining a safe workplace. Introduces common job-site hazards and protections such as lockout/tagout, personal protective equipment (PPE), and HazCom.

- Basic Rigging (20 Hours)
  (Module ID 00106-04; from Core Curriculum, Third Edition)
  Explains how ropes, chains, hoists, loaders, and cranes are used to move material and equipment from one location to another on a job site. Describes inspection techniques and load-handling safety practices. Also reviews American National Standards Institute (ANSI) hand signals.

- Introduction to the Trade (5 Hours)
  (Module ID 69101-09)
  Provides an introduction to the coatings industry, including career opportunities and an introduction to coatings safety.

**LEVEL 2**

**INDUSTRIAL COATING AND LINING APPLICATION SPECIALIST**

**Curriculum Notes**
- 320 Hours
- Published: 2010
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

**PAPERBACK ISBN**
Trainee Guide: S103  978-0-13-604510-6  see module list

**INDIVIDUAL MODULES**
- Industrial Coating Safety (30 Hours)
  (Module ID 69201-10)
  Describes safety standards and regulations, access control, and personal safety equipment and training requirements. Covers safety decision-making procedures.

- Corrosion Protection (5 Hours)
  (Module ID 69202-10)
  Teaches the elements of corrosion in concrete and metals and describes the chemistry of corrosion.

- Work Planning and Quality Control (25 Hours)
  (Module ID 69203-10)
  Explains how to follow and execute a work plan. Covers area and ratio calculations and explains how to determine VOC ratios when adding thinners. Explains the effects of pressure, volume, and temperature on surface preparation and application.

- Containment (60 Hours)
  (Module ID 69204-10)
  Describes the types of containment appropriate to various coating and surface preparation applications, including standards and verification. Also covers containment erection and repair.

- Surface Preparation (100 Hours)
  (Module ID 69205-10)
  Describes types of coatings, their advantages and disadvantages, applications, and specific preparations required.

- Coating Application (105 Hours)
  (Module ID 69206-10)
  Covers the application of various coatings, including equipment setup, mixing, and preparation of coatings.

- Health and Safety, Debris Management, Containment, and Ventilation (47.5 Hours)
  (Module ID 69207-10)
  Teaches proper health and safety procedures for operators applying coatings in an industrial workplace. The use of personal protection equipment, debris management, and proper containment and ventilation procedures are discussed.