

License Information

Scope – Installation, alteration, and repair of any wiring, related electrical material and equipment used in the generating, transmitting or utilization of electrical energy less than 600 volts, including all overhead electrical wiring on public right-of-ways for signs and street decorations, and all underground electrical distribution systems of less than 600 volts serving private properties.

Installation, alteration, and repair on other than public right-of-ways of all outside, overhead, and underground electrical construction and all wiring in or on any building of less than 600 volts.

Examination Outline**Open Book****80 Questions - Four-hour time limit****70% Correct required to pass**

Exam Topic	%
General Electrical Knowledge	11
Requirements for Electrical Installations	8
Electric and Electronic Fundamentals	5
Services, Feeders, and Branch Circuits	12
Grounding and Bonding	12
Conductors and Cables	10
Raceways and Boxes	6
Special Occupancies	6
Special Equipment	5
Motors	8
Utilization Equipment	4
Lighting	5
Low Voltage	5
Safety	3

References

The following reference was used to create exam questions and **is allowed** in the testing center.

1. *NFPA 70 National Electrical Code*, 2005 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, www.nfpa.org.

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Alternating Current Fundamentals*, Seventh Edition, 2006, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
2. *Industrial Motor Control*, Fifth Edition, 2005, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
3. *Mike Holt's Illustrated Guide to Basic Electrical Theory*, Second Edition, Mike Holt Enterprises, Inc., 3604 parkway Blvd., Suite 3, Leesburg, FL 34748, www.NECcode.com.
4. *State of Arizona OSHA, Safety and Health Standards for the Construction Industry (29 CFR Part 1926)*, 2007, Arizona Industrial Commission, Division of Occupational Safety & Health, Industrial Commission of Arizona, P.O. Box 19070, Phoenix, AZ 85005-9070, www.ica.state.az.us.

For information on how to obtain exam references, please call toll-free 877.624.2562.

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