

**Unlimited Master Electrical Contractor - EAE1V**  
Volusia County

**Scope**

In order for an applicant to be eligible to receive certification from the board as a Master Electrician the applicant must demonstrate that the applicant possesses the skill, knowledge, ability and experience to install, maintain, design, repair, alter, extend and construct electrical systems, fire alarm systems, and all appurtenances, equipment, and apparatus used in connection therewith in accordance with the building code and all other applicable codes and regulations, and to supervise and direct other persons who engage in such activities.

**Examination Content Outline**

The Unlimited Master Electrical Contractor examination is based on trade-specific information pertaining to materials, tools, equipment, practices, terminology, and relevant laws. The examination is a four (4) hour, open book exam that consists of 90 questions.

<b>Subjects:</b>	<b>No. of Items</b>
General Theory	15
Chapter 1	9
Chapter 2	7
Chapter 3	10
Chapter 4	15
Chapter 5	6
Chapter 6	8
Chapter 7	2
Chapter 8	2
Chapter 9	6
Safety	10
Total:	90

**Approved References**

1. NFPA 70 - National Electrical Code, 2008
2. Code of Federal Regulations – Title 29, Part 1926 (OSHA), 2003
3. American Electricians Handbook, 1996, 13th edition, Croft/Summers
4. Ugly's Electrical References, 2002, Hart
5. Industrial Motor Control, 1999, Herman

**License Information**

**Scope** – Tests a candidate's knowledge of the design, plan, installation, repair, alteration, and maintenance of electric conductors, raceways, and equipment for light, heat, and power.

**Examination Outline****Open Book****100 Questions - Four-hour time limit****75% Correct required to pass**

Exam Topic	%
General Electrical Knowledge	10
Wiring and Protection	25
Wiring Methods and Materials	20
Equipment for General Use	20
Special Occupancies	10
Special Equipment	5
Special Conditions	5
Communication Systems	5

**References**

The following references are allowed in the testing center.

1. *Alternating Current Fundamentals*, Seventh Edition, 2006, Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).
2. *Mike Holt's Illustrated Guide to Basic Electrical Theory*, Third Edition, 2008, Mike Holt Enterprises, Inc., 3604 Parkway Boulevard, Suite 3, Leesburg, FL 34748, [www.NECcode.com](http://www.NECcode.com).
3. *NFPA 70 National Electrical Code*, 2008 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
4. *Printreading Based on the 2008 National Electrical Code (NEC)*, 2008 Edition, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600, [www.go2atp.com](http://www.go2atp.com).

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

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